

DMX Channel Index

X4 atom[®]



(white version) **PSU12**

from software version: v1.21



— since 1994 —

support@glp.de
www.glp.de

1 Normal Mode (norm) 74 DMX Channels:

Note: We suggest to patch the Atom PSU as one 2 channel fixture and each connected Atom head as one 6 channel fixture.

Channel	Function	Time and Value	%	DMX
PSU / Master Control				
1 Master Intensity	Intensity of all connected Atom heads	0 - 100%	0..100	0..255
2 Special <i>for all fixtures</i>	No function		0..19	0..50
	Activate silent mode	> 1 sec	20..25	51..64
	No function		26..39	65..99
	Change PWM Frequency (582hz - 618hz)	> 1 sec	40..78	100..200
	Control all (copy output 1 to all outputs)	> 0.5 sec	79..97	201..247
	Reset all fixtures	> 0.5 sec	98..100	248..254
Output 1				
3 Intensity	Intensity	0 - 100%	0..100	0..255
4 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
5 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
6 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
7 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
8 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 2				
9 Intensity	Intensity	0 - 100%	0..100	0..255
10 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
11 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
12 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255

13 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
14 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 3				
15 Intensity	Intensity	0 - 100%	0..100	0..255
16 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
17 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
18 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
19 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
20 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 4				
21 Intensity	Intensity	0 - 100%	0..100	0..255
22 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
23 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
24 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
25 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
26 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 5				
27 Intensity	Intensity	0 - 100%	0..100	0..255
28 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111

	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
29 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
30 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
31 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
32 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 6				
33 Intensity	Intensity	0 - 100%	0..100	0..255
34 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
35 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
36 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
37 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
38 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 7				
39 Intensity	Intensity	0 - 100%	0..100	0..255
40 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
41 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
42 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
43 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
44 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255

Output 8				
45 Intensity	Intensity	0 - 100%	0..100	0..255
46 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
47 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
48 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
49 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
50 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 9				
51 Intensity	Intensity	0 - 100%	0..100	0..255
52 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
53 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
54 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
55 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
56 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 10				
57 Intensity	Intensity	0 - 100%	0..100	0..255
58 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239

	Shutter Open		95..100	239..255
59 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
60 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
61 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
62 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 11				
63 Intensity	Intensity	0 - 100%	0..100	0..255
64 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
65 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
66 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
67 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
68 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255
Output 12				
69 Intensity	Intensity	0 - 100%	0..100	0..255
70 Shutter	Shutter closed		0..5	0..15
	Random strobe	random / slow - fast	6..18	16..47
	Ramp up	random / slow - fast	19..31	48..79
	Ramp down	random / slow - fast	32..43	80..111
	Pulse	random / slow - fast	44..62	112..143
	Strobe with b/o pause	random / slow - fast	63..77	144..199
	Strobe - Slow to Fast	random / slow - fast	78..98	200..239
	Shutter Open		95..100	239..255
71 Cool White	Intensity – Cool White	0 - 100%	0..100	0..255
72 Warm White	Intensity – Warm White	0 - 100%	0..100	0..255
73 Zoom	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
74 CTO	No function		0..3	0..7
	Variable CTO (10,000K - 2,700K)		4..100	8..255

2 Technical Specifications:

Power supply	
Power consumption	Max. 350 VA (Watt) / 25VA (Watt) per X4 Atom head
Power input	Auto sensing 90-240 V AC, 50-60 Hz
Mains in connector	PowerCON (blue) max 20A
Mains out connector	PowerCON (white) max 18A
Output to Atom head	12 x 4-pin XLR: Power (24V) & Signal (RS-485) to X4 Atom head: Pin 1 = [Ground] Pin 2 = [Data +] Pin 3 = [Data -] Pin 4 = [V+ 24V]
Max. cable length to Atom head	60m per output 200ft per output
Fuse protection	Micro-fuse 5x20 mm, T10A
Operational Parameters	
Max. Ambient Temperature	5° - 45°C (integrated overheating switch) 40°-113°F
Protection	IP20 rated
Mounting Position	Any (see relevant chapter in the manual)
Rigging Options	
1 x M10 socket	For direct coupler
2 x Camlock	For omega bracket
2 x Attachment point	For safety wire
Data Entry	
Backlit Graphic LCD Display with 4 button control for addressing and other settings	
DMX Control	
Standard USITT DMX-512, 5 pin XLR: Pin 3 = [+] Pin 2 = [-] Pin 1 = [Ground] Pin 4 & 5 not connected The DMX- Addressing starts at the DMX channel [001]	
Weights and Measures	
Length	314 mm / 12.38''
Width	197 mm / 7.75''
Height	108 mm / 4.25''
Weight (net)	4.1 kg / 9 lbs.

3 Dimensions



