

# DMX Channel Index

# X4 atom<sup>®</sup>



## PSU12

from software version: v1.21



— since 1994 —

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## 1 Normal Mode (norm) 110 DMX Channels:

**Note:** We suggest to patch the Atom PSU as one 2 channel fixture and each connected Atom head as one 9 channel fixture.

Channel	Function	Time and Value	%	DMX
<b>PSU / Master Control</b>				
<b>1 Master Intensity</b>	Intensity of all connected Atom heads	0 - 100%	0..100	0..255
<b>2 Special</b> <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
<b>Output 1</b>				
<b>3 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>4 Shutter</b>	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
	<b>5 Color (fixed)</b>	Colors adjustable via RGB		0..2
Color 01 - Red <sup>1)</sup>			3..5	8..15
Color 02 - Amber <sup>1)</sup>			6..8	16..23
Color 03 - Warm Yellow <sup>1)</sup>			9..12	24..31
Color 04 - Yellow <sup>1)</sup>			13..15	32..39
Color 05 - Green <sup>1)</sup>			16..18	40..47
Color 06 - Turquoise <sup>1)</sup>			19..21	48..55
Color 07 - Cyan <sup>1)</sup>			22..24	56..63
Color 08 - Blue <sup>1)</sup>			25..27	64..71
Color 09 - Lavender <sup>1)</sup>			28..30	72..79
Color 10 - Malve <sup>1)</sup>			31..34	80..87
Color 11 - Magenta <sup>1)</sup>			35..37	88..95
Color 12 - Pink <sup>1)</sup>			38..40	96..103
White - CTO		3200K	41..43	104..111
White		5600K	44..46	112..119
White - CTB	7200K	47..49	120..127	

	Rainbow Effect Stop <sup>2)</sup>		50	128
	Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
<b>6 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>7 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>8 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>9 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>10 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>11 CTO</b>	No function	Applicable for	0.3	0.7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255
<b>Output 2</b>				
<b>12 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>13 Shutter</b>	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
<b>14 Color (fixed)</b>	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red <sup>1)</sup>		3.5	8.15
	Color 02 - Amber <sup>1)</sup>		6.8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9.12	24..31
	Color 04 - Yellow <sup>1)</sup>		13.15	32..39
	Color 05 - Green <sup>1)</sup>		16.18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19.21	48..55
	Color 07 - Cyan <sup>1)</sup>		22.24	56..63
	Color 08 - Blue <sup>1)</sup>		25.27	64..71
	Color 09 - Lavender <sup>1)</sup>		28.30	72..79
	Color 10 - Malve <sup>1)</sup>		31.34	80..87
	Color 11 - Magenta <sup>1)</sup>		35.37	88..95
	Color 12 - Pink <sup>1)</sup>		38.40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop <sup>2)</sup>		50	128
	Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
<b>15 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>16 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>17 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>18 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>19 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>20 CTO</b>	No function	Applicable for	0.3	0.7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255

Output 3				
<b>21 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>22 Shutter</b>	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
<b>23 Color (fixed)</b>	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red <sup>1)</sup>		3.5	8..15
	Color 02 - Amber <sup>1)</sup>		6.8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9.12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71
	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
White - CTB	7200K	47..49	120..127	
Rainbow Effect Stop <sup>2)</sup>		50	128	
Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223	
Random colors	slow - fast	89..100	224..255	
<b>24 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>25 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>26 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>27 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>28 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>29 CTO</b>	No function	Applicable for	0.3	0.7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255
Output 4				
<b>30 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>31 Shutter</b>	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
<b>32 Color (fixed)</b>	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red <sup>1)</sup>		3.5	8..15
	Color 02 - Amber <sup>1)</sup>		6.8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9.12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71

	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop <sup>2)</sup>		50	128
	Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
<b>33 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>34 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>35 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>36 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>37 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>38 CTO</b>	No function	Applicable for	0..3	0..7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255
<b>Output 5</b>				
<b>39 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>40 Shutter</b>	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
<b>41 Color (fixed)</b>	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red <sup>1)</sup>		3..5	8..15
	Color 02 - Amber <sup>1)</sup>		6..8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9..12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71
	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop <sup>2)</sup>		50	128
	Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
<b>41 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>43 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>44 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>45 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>46 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>47 CTO</b>	No function	Applicable for	0..3	0..7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255

Output 6				
<b>48 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>49 Shutter</b>	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
<b>50 Color (fixed)</b>	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red <sup>1)</sup>		3.5	8..15
	Color 02 - Amber <sup>1)</sup>		6.8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9.12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71
	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
White - CTB	7200K	47..49	120..127	
Rainbow Effect Stop <sup>2)</sup>		50	128	
Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223	
Random colors	slow - fast	89..100	224..255	
<b>51 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>52 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>53 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>54 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>55 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>56 CTO</b>	No function	Applicable for	0.3	0.7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255
Output 7				
<b>57 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>58 Shutter</b>	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
<b>59 Color (fixed)</b>	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red <sup>1)</sup>		3.5	8..15
	Color 02 - Amber <sup>1)</sup>		6.8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9.12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71

	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop <sup>2)</sup>		50	128
	Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
<b>60 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>61 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>62 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>63 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>64 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>65 CTO</b>	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0..3 4..100	0..7 8..255
<b>Output 8</b>				
<b>66 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>67 Shutter</b>	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
<b>68 Color (fixed)</b>	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red <sup>1)</sup>		3..5	8..15
	Color 02 - Amber <sup>1)</sup>		6..8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9..12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71
	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop <sup>2)</sup>		50	128
	Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
<b>69 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>70 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>71 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>72 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>73 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>74 CTO</b>	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0..3 4..100	0..7 8..255

Output 9				
<b>75 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>76 Shutter</b>	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
<b>77 Color (fixed)</b>	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red <sup>1)</sup>		3.5	8..15
	Color 02 - Amber <sup>1)</sup>		6.8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9.12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71
	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
White - CTB	7200K	47..49	120..127	
Rainbow Effect Stop <sup>2)</sup>		50	128	
Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223	
Random colors	slow - fast	89..100	224..255	
<b>78 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>79 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>80 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>81 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>82 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>83 CTO</b>	No function	Applicable for	0.3	0.7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255
Output 10				
<b>84 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>85 Shutter</b>	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
<b>86 Color (fixed)</b>	Colors adjustable via RGB		0.2	0.7
	Color 01 - Red <sup>1)</sup>		3.5	8..15
	Color 02 - Amber <sup>1)</sup>		6.8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9.12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71



	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop <sup>2)</sup>		50	128
	Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
<b>87 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>88 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>89 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>90 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>91 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>92 CTO</b>	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0..3 4..100	0..7 8..255
<b>Output 11</b>				
<b>93 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>94 Shutter</b>	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 blackout 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
<b>95 Color (fixed)</b>	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red <sup>1)</sup>		3..5	8..15
	Color 02 - Amber <sup>1)</sup>		6..8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9..12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71
	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
	Rainbow Effect Stop <sup>2)</sup>		50	128
	Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223
	Random colors	slow - fast	89..100	224..255
<b>96 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>97 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>98 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>99 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>100 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>101 CTO</b>	No function Variable CTO (10,000K - 2,700K)	Applicable for all colors	0..3 4..100	0..7 8..255

Output 12				
<b>102 Intensity</b>	Intensity	0 - 100%	0..100	0..255
<b>103 Shutter</b>	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
<b>104 Color (fixed)</b>	Colors adjustable via RGB		0..2	0..7
	Color 01 - Red <sup>1)</sup>		3..5	8..15
	Color 02 - Amber <sup>1)</sup>		6..8	16..23
	Color 03 - Warm Yellow <sup>1)</sup>		9..12	24..31
	Color 04 - Yellow <sup>1)</sup>		13..15	32..39
	Color 05 - Green <sup>1)</sup>		16..18	40..47
	Color 06 - Turquoise <sup>1)</sup>		19..21	48..55
	Color 07 - Cyan <sup>1)</sup>		22..24	56..63
	Color 08 - Blue <sup>1)</sup>		25..27	64..71
	Color 09 - Lavender <sup>1)</sup>		28..30	72..79
	Color 10 - Malve <sup>1)</sup>		31..34	80..87
	Color 11 - Magenta <sup>1)</sup>		35..37	88..95
	Color 12 - Pink <sup>1)</sup>		38..40	96..103
	White - CTO	3200K	41..43	104..111
	White	5600K	44..46	112..119
	White - CTB	7200K	47..49	120..127
Rainbow Effect Stop <sup>2)</sup>		50	128	
Rainbow Effect <sup>3)</sup>	slow - fast	51..88	129..223	
Random colors	slow - fast	89..100	224..255	
<b>105 Red</b>	Color mixing system - Red	0 - 100%	0..100	0..255
<b>106 Green</b>	Color mixing system - Green	0 - 100%	0..100	0..255
<b>107 Blue</b>	Color mixing system - Blue	0 - 100%	0..100	0..255
<b>108 White</b>	Color mixing system - White	0 - 100%	0..100	0..255
<b>109 Zoom</b>	Wide (flood) - narrow (spot)	34° - 3.5°	0..100	0..255
<b>110 CTO</b>	No function	Applicable for	0..3	0..7
	Variable CTO (10,000K - 2,700K)	all colors	4..100	8..255

<sup>1)</sup> The predefined colors can be used as start-colors for the Rainbow effect. Please select first a desired start-color before you activate the rainbow effect. All X4 Atom will then start from that color and will execute the rainbow effect synchronously. Different X4 Atom can have different start-colors but will still execute the rainbow effect synchronously. If you choose a color different from the ones marked with <sup>1)</sup> in the tables above the rainbow start-color will be red.

<sup>2)</sup> Rainbow-effect Stop will pause this function. After resuming the rainbow-effect will be continued from the current color.

<sup>3)</sup> The Rainbow-effect will run synchronously only if started from one of the predefined colors (see also <sup>1)</sup> before).

## 2 Technical Specifications:

<b>Power supply</b>	
<b>Power consumption</b>	Max. 350 VA (Watt) / 25VA (Watt) per X4 Atom head
<b>Power input</b>	Auto sensing 90-240 V AC, 50-60 Hz
<b>Mains in connector</b>	PowerCON (blue) max 20A
<b>Mains out connector</b>	PowerCON (white) max 18A
<b>Output to Atom head</b>	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]
<b>Max. cable length to Atom head</b>	60m per output 200ft per output
<b>Fuse protection</b>	Micro-fuse 5x20 mm, T10A
<b>Operational Parameters</b>	
<b>Max. Ambient Temperature</b>	5° - 45°C (integrated overheating switch) 40°-113°F
<b>Protection</b>	IP20 rated
<b>Mounting Position</b>	Any (see relevant chapter in the manual)
<b>Rigging Options</b>	
<b>1 x M10 socket</b>	For direct coupler
<b>2 x Camlock</b>	For omega bracket
<b>2 x Attachment point</b>	For safety wire
<b>Data Entry</b>	
Backlit Graphic LCD Display with 4 button control for addressing and other settings	
<b>DMX Control</b>	
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]	
<b>Weights and Measures</b>	
<b>Length</b>	<b>314 mm / 12.38''</b>
<b>Width</b>	<b>197 mm / 7.75''</b>
<b>Height</b>	<b>108 mm / 4.25''</b>
<b>Weight (net)</b>	<b>4.1 kg / 9 lbs.</b>

### 3 Dimensions



