

## SixPack DMX protocols

6 channel mode - Halogen dimmer emulation		
Channel	DMX Value	Function
1	0-255	"Halogen" 0-100% - pixel 1
2	0-255	"Halogen" 0-100% - pixel 2
3	0-255	"Halogen" 0-100% - pixel 3
4	0-255	"Halogen" 0-100% - pixel 4
5	0-255	"Halogen" 0-100% - pixel 5
6	0-255	"Halogen" 0-100% - pixel 6

## 7 channel mode - effects with collective RGBA control

Channel	DMX Value	Function
1	0-7	Shutter Blackout
	8-15	Shutter Open
	16-151	Variable Strobe
	152-175	Pulse Open
	176-199	Pulse Close
	200-244	Variable Random Strobe
	245-255	Shutter Open
2	0-255	Dimmer 0-100%
3	0-255	Red 0-100% - all pixels
4	0-255	Green 0-100% - all pixels
5	0-255	Blue 0-100% - all pixels
6	0-255	Amber 0-100% - all pixels
7	0-9	No Function
	10-255	Amber Color Temperature 3200 k - 6500 k (RGBA Set to MAX)

## 18 Channel Mode RGB automated mix in Amber

Channel	DMX Value	Function
1	0-255	Red 0-100% - pixel 1
2	0-255	Green 0-100% - pixel 1
3	0-255	Blue 0-100 - pixel 1
4	0-255	Red 0-100% - pixel 2
5	0-255	Green 0-100% - pixel 2
6	0-255	Blue 0-100% - pixel 2
7	0-255	Red 0-100% - pixel 3
8	0-255	Green 0-100% - pixe3
9	0-255	Blue 0-100% - pixe3
10	0-255	Red 0-100% - pixel 4
11	0-255	Green 0-100% - pixel 4
12	0-255	Blue 0-100% - pixel 4
13	0-255	Red 0-100% - pixel 5
14	0-255	Green 0-100% - pixel 5
15	0-255	Blue 0-100 - pixel 5
16	0-255	Red 0-100% - pixel6

## 18 Channel Mode RGB automated mix in Amber

Channel	DMX Value	Function
17	0-255	Green 0-100% - pixel 6
18	0-255	Blue 0-100% - pixel 6

22 Channel Mode RGB automated mix in Amber					
Channel	DMX Value	Function	Channel	DMX Value	Function
1	0-7	Shutter Blackout	10	0-255	Blue 0-100% - pixel 2
	8-15	Shutter Open	11	0-255	Red 0-100% - pixel 3
	16-151	Variable Strobe	12	0-255	Green 0-100% - pixel 3
	152-175	Pulse Open	13	0-255	Blue 0-100% - pixel 3
	176-199	Pulse Close	14	0-255	Red 0-100% - pixel 4
	200-244	Variable Random Strobe	15	0-255	Green 0-100% - pixel 4
	245-255	Shutter Open	16	0-255	Blue 0-100% - pixel 4
2	0-255	Dimmer 0-100%	17	0-255	Red 0-100% - pixel 5
3	0-7	Disable			
	8-15	Emulate halogen dimming			
	16-21	Emulate halogen dimming			
	22-255	No Function			
4	10-255	Amber Color Temperature	18	0-255	Green 0-100% - pixel 5
5	0-255	Red 0-100% - pixel 1	19	0-255	Blue 0-100% - pixel 5
6	0-255	Green 0-100% - pixel 1	20	0-255	Red 0-100% - pixel 6
7	0-255	Blue 0-100% - pixel 1	21	0-255	Green 0-100% - pixel 6
8	0-255	Red 0-100% - pixel 2	22	0-225	Blue 0-100% - pixel 6
9	0-255	Green 0-100% - pixel 2			

24 channel mode - Individual RGBA control					
Channel	DMX Value	Function	Channel	DMX Value	Function
1	0-255	Red 0-100% - pixel 1	13	0-255	Red 0-100% - pixel 4
2	0-255	Green 0-100% - pixel 1	14	0-255	Green 0-100% - pixel 4
3	0-255	Blue 0-100% - pixel 1	15	0-255	Blue 0-100% - pixel 4
4	0-255	Amber 0-100% - pixel 1	16	0-255	Amber 0-100% - pixel 4
5	0-255	Red 0-100% - pixel 2	17	0-255	Red 0-100% - pixel 5
6	0-255	Green 0-100% - pixel 2	18	0-255	Green 0-100% - pixel 5
7	0-255	Blue 0-100% - pixel 2	19	0-255	Blue 0-100% - pixel 5
8	0-255	Amber 0-100% - pixel 2	20	0-255	Amber 0-100% - pixel 5
9	0-255	Red 0-100% - pixel 3	21	0-255	Red 0-100% - pixel 6
10	0-255	Green 0-100% - pixel 3	22	0-255	Green 0-100% - pixel 6
11	0-255	Blue 0-100% - pixel 3	23	0-255	Blue 0-100% - pixel 6
12	0-255	Amber 0-100% - pixel 3	24	0-255	Amber 0-100% - pixel 6

28 channel mode - Effects & individual RGBA control					
Channel	DMX Value	Function	Channel	DMX Value	Function
1	0-7	Shutter Blackout	7	0-255	Blue 0-100% - pixel 1
	8-15	Shutter Open	8	0-255	Amber 0-100% - pixel 1
	16-151	Variable Strobe	9	0-255	Red 0-100% - pixel 2
	152-175	Pulse Open	10	0-255	Green 0-100% - pixel 2
	176-199	Pulse Close	11	0-255	Blue 0-100% - pixel 2
	200-244	Variable Random Strobe	12	0-255	Amber 0-100% - pixel 2
	245-255	Shutter Open	13	0-255	Red 0-100% - pixel 3
2	0-255	Dimmer 0-100%	14	0-255	Green 0-100% - pixel 3
3	0-7	Disable halogen dimming	15	0-255	Blue 0-100% - pixel 3
	8-15	Emulate halogen dimming			
	16-255	No Function	16	0-255	Amber 0-100% - pixel 3
4	10-255	Amber Color Temperature 3200k - 6500k (RGBA Set to MAX)	17	0-255	Red 0-100% - pixel 4
5	0-255	Red 0-100% - pixel 1			
6	0-255	Green 0-100% - pixel 1			

28 channel mode - Effects & individual RGBA control					
18	0-255	Green 0-100% - pixel 4	24	0-255	Amber 0-100% - pixel 5
19	0-255	Blue 0-100% - pixel 4	25	0-255	Red 0-100% - pixel 6
20	0-255	Amber 0-100% - pixel 4	26	0-255	Green 0-100% - pixel 6
21	0-255	Red 0-100% - pixel 5	27	0-255	Blue 0-100% - pixel 6
22	0-255	Green 0-100% - pixel 5	28	0-255	Amber 0-100% - pixel 6
23	0-255	Blue 0-100% - pixel 5			



### 48 channel mode - Coarse & fine individual RGBA control (16-bit)

Channel	DMX Value	Function	Channel	DMX Value	Function
1	0-255	Red 0-100% - pixel 1	15	0-255	Amber 0-100% - pixel 2
2	0-255	Red fine - pixel 1	16	0-255	Amber fine - pixel 2
3	0-255	Green 0-100% - pixel 1	17	0-255	Red 0-100% - pixel 3
4	0-255	Green fine - pixel 1	18	0-255	Red fine - pixel 3
5	0-255	Blue 0-100% - pixel 1	19	0-255	Green 0-100% - pixel 3
6	0-255	Blue fine - pixel 1	20	0-255	Green fine - pixel 3
7	0-255	Amber 0-100% - pixel 1	21	0-255	Blue 0-100 - pixel 3
8	0-255	Amber fine - pixel 1	22	0-255	Blue fine - pixel 3
9	0-255	Red 0-100% - pixel 2	23	0-255	Amber 0-100% - pixel 3
10	0-255	Red fine - pixel 2	24	0-255	Amber fine - pixel 3
11	0-255	Green 0-100% - pixel 2	25	0-255	Red 0-100% - pixel 4
12	0-255	Green fine - pixel 2	26	0-255	Red fine - pixel 4
13	0-255	Blue 0-100% - pixel 2	27	0-255	Green 0-100% 4
14	0-255	Blue fine - pixel 2	28	0-255	Green fine - pixel 4

**48 channel mode - Coarse & fine individual RGBA control (16-bit)**

29	0-255	Blue 0-100% - pixel 4	39	0-255	Amber 0-100% - pixel 5
30	0-255	Blue fine - pixel 4	40	0-255	Amber fine - pixel 5
31	0-255	Amber 0-100% - pixel 4	41	0-255	Red 0-100% - pixel 6
32	0-255	Amber fine - pixel 4	42	0-255	Red fine - pixel 6
33	0-255	Red 0-100% - pixel 5	43	0-255	Green 0-100% - pixel 6
34	0-255	Red fine - pixel 5	44	0-255	Green fine - pixel 6
35	0-255	Green 0-100% - pixel 5	45	0-255	Blue 0-100% - pixel 6
36	0-255	Green fine - pixel 5	46	0-255	Blue fine - pixel 6
37	0-255	Blue 0-100% - pixel 5	47	0-255	Amber 0-100% - pixel 6
38	0-255	Blue fine - pixel 5	48	0-255	Amber fine - pixel 6

### 53 Channel Mode (16-Bit)

Channel	DMX Value	Function
1	0-7	Shutter Blackout
	8-18	Shutter Open
	16-151	Variable Strobe
	152-175	Pulse Open
	176-199	Pulse Close
	200-244	Variable Random Strobe
	245-255	Shutter Open
2	0-255	Dimmer 0-100%
3	0-255	Dimmer Fine
4	0-7	No Function
	8-15	Emulate Halogen Dimming Characteristics
	16-21	Emulate Halogen Dimming Instant attack
	22-255	No Function
5	0-255	Amber Color Temperature 2000k - 6500k (RGBA Set to MAX)
6	0-255	Red 0-100% - pixel 1
7	0-255	Red Fine - pixel 1
8	0-255	Green 0-100% - pixel 1

**53 Channel Mode (16-Bit)**

<b>Channel</b>	<b>DMX Value</b>	<b>Function</b>
9	0-255	Green Fine - pixel 1
10	0-255	Blue 0-100% - pixel 1
11	0-255	Blue Fine - pixel 1
12	0-255	Amber 0-100% - pixel 1
13	0-255	Amber Fine - pixel 2
14	0-255	Red 0-100% - pixel 2
15	0-255	Red Fine - pixel 2
16	0-255	Green 0-100% - pixel 2
17	0-255	Green Fine - pixel 2
18	0-255	Blue 0-100% - pixel 2
19	0-255	Blue Fine - pixel 2
20	0-255	Amber 0-100% - pixel 2
21	0-255	Amber Fine - pixel 2
22	0-255	Red 0-100% - pixel 3
23	0-255	Red Fine - pixel 3
24	0-255	Green 0-100% - pixel 3

### 53 Channel Mode (16-Bit)

Channel	DMX Value	Function
25	0-255	Green Fine - pixel 3
26	0-255	Blue 0-100% - pixel 3
27	0-255	Blue Fine - pixel 3
28	0-255	Amber 0-100% - pixel 3
29	0-255	Amber Fine - pixel 4
30	0-255	Red 0-100% - pixel 4
31	0-255	Red Fine - pixel 4
32	0-255	Green 0-100% - pixel 4
33	0-255	Green Fine - pixel 4
34	0-255	Blue 0-100% - pixel 4
35	0-255	Blue Fine - pixel 4
36	0-255	Amber 0-100% - pixel 4
37	0-255	Amber Fine - pixel 4
38	0-255	Red 0-100% - pixel 5
39	0-255	Red Fine - pixel 5
40	0-255	Green 0-100% - pixel 5

### 53 Channel Mode (16-Bit)

Channel	DMX Value	Function
41	0-255	Green Fine - pixel 5
42	0-255	Blue 0-100% - pixel 5
43	0-255	Blue Fine - pixel 5
44	0-255	Amber 0-100% - pixel 5
45	0-255	Amber Fine - pixel 5
46	0-255	Red 0-100% - pixel 6
47	0-255	Red Fine - pixel 6
48	0-255	Green 0-100% - pixel 6
49	0-255	Green Fine - pixel 6
50	0-255	Blue 0-100% - pixel 6
51	0-255	Blue Fine - pixel 6
52	0-255	Amber 0-100% - pixel 6
53	0-255	Amber Fine - pixel 6