

## ArcPower 16x6 - DMX protocol, version 1.1

### RGB operation

Mode 1	Mode 2	Value	Function	Type of control
Channel	Channel			
<b>ZONE 1</b>				
1	1	0-255	<b>Red LED 1</b> Red LED saturation control (0-100%)	proportional
2	2	0-255	<b>Green LED 1</b> Green LED saturation control (0-100%)	proportional
3	3	0-255	<b>Blue LED 1</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 2</b>				
4	4	0-255	<b>Red LED 2</b> Red LED saturation control (0-100%)	proportional
5	5	0-255	<b>Green LED 2</b> Green LED saturation control (0-100%)	proportional
6	6	0-255	<b>Blue LED 2</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 3</b>				
7	7	0-255	<b>Red LED 3</b> Red LED saturation control (0-100%)	proportional
8	8	0-255	<b>Green LED 3</b> Green LED saturation control (0-100%)	proportional
9	9	0-255	<b>Blue LED 3</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 4</b>				
10	10	0-255	<b>Red LED 4</b> Red LED saturation control (0-100%)	proportional
11	11	0-255	<b>Green LED 4</b> Green LED saturation control (0-100%)	proportional
12	12	0-255	<b>Blue LED 4</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 5</b>				
13	13	0-255	<b>Red LED 5</b> Red LED saturation control (0-100%)	proportional
14	14	0-255	<b>Green LED 5</b> Green LED saturation control (0-100%)	proportional
15	15	0-255	<b>Blue LED 5</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 6</b>				
16	16	0-255	<b>Red LED 6</b> Red LED saturation control (0-100%)	proportional
17	17	0-255	<b>Green LED 6</b> Green LED saturation control (0-100%)	proportional
18	18	0-255	<b>Blue LED 6</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 7</b>				
19	19	0-255	<b>Red LED 7</b> Red LED saturation control (0-100%)	proportional
20	20	0-255	<b>Green LED 7</b> Green LED saturation control (0-100%)	proportional
21	21	0-255	<b>Blue LED 7</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 8</b>				
22	22	0-255	<b>Red LED 8</b> Red LED saturation control (0-100%)	proportional
23	23	0-255	<b>Green LED 8</b> Green LED saturation control (0-100%)	proportional
24	24	0-255	<b>Blue LED 8</b> Blue LED saturation control (0-100%)	proportional

Mode 1	Mode 2	Value	Function	Type of control
Channel	Channel			
<b>ZONE 9</b>				
25	25	0-255	<b>Red LED 9</b> Red LED saturation control (0-100%)	proportional
26	26	0-255	<b>Green LED 9</b> Green LED saturation control (0-100%)	proportional
27	27	0-255	<b>Blue LED 9</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 10</b>				
28	28	0-255	<b>Red LED 10</b> Red LED saturation control (0-100%)	proportional
29	29	0-255	<b>Green LED 10</b> Green LED saturation control (0-100%)	proportional
30	30	0-255	<b>Blue LED 10</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 11</b>				
31	31	0-255	<b>Red LED 11</b> Red LED saturation control (0-100%)	proportional
32	32	0-255	<b>Green LED 11</b> Green LED saturation control (0-100%)	proportional
33	33	0-255	<b>Blue LED 11</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 12</b>				
34	34	0-255	<b>Red LED 12</b> Red LED saturation control (0-100%)	proportional
35	35	0-255	<b>Green LED 12</b> Green LED saturation control (0-100%)	proportional
36	36	0-255	<b>Blue LED 12</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 13</b>				
37	37	0-255	<b>Red LED 13</b> Red LED saturation control (0-100%)	proportional
38	38	0-255	<b>Green LED 13</b> Green LED saturation control (0-100%)	proportional
39	39	0-255	<b>Blue LED 13</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 14</b>				
40	40	0-255	<b>Red LED 14</b> Red LED saturation control (0-100%)	proportional
41	41	0-255	<b>Green LED 14</b> Green LED saturation control (0-100%)	proportional
42	42	0-255	<b>Blue LED 14</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 15</b>				
43	43	0-255	<b>Red LED 15</b> Red LED saturation control (0-100%)	proportional
44	44	0-255	<b>Green LED 15</b> Green LED saturation control (0-100%)	proportional
45	45	0-255	<b>Blue LED 15</b> Blue LED saturation control (0-100%)	proportional
<b>ZONE 16</b>				
46	46	0-255	<b>Red LED 16</b> Red LED saturation control (0-100%)	proportional
47	47	0-255	<b>Green LED 16</b> Green LED saturation control (0-100%)	proportional
48	48	0-255	<b>Blue LED 16</b> Blue LED saturation control (0-100%)	proportional

Mode 1	Mode 2	Value	Function	Type of control
Channel	Channel			
-	49	0-31 32-63 64-95 96-127 128-143 144-159 160-255	<b>Shutter/Strobe</b> Shutter closed Shutter open Strobe-effect from slow to fast Shutter open Opening pulses in sequences slow--> fast Closing pulses in sequences fast --> slow Shutter open	step step proportional step proportional proportional step
-	50	0-255	<b>Dimmer</b> Dimmer intensity from 0% to 100%	proportional

## RGBW operation

Mode 1	Mode 2	Value	Function	Type of control
Channel	Channel			
<b>ZONE 2</b>				
4	4	0-255	<b>Red LED 2</b> Red LED saturation control (0-100%)	proportional
5	5	0-255	<b>Green LED 2</b> Green LED saturation control (0-100%)	proportional
6	6	0-255	<b>Blue LED 2</b> Blue LED saturation control (0-100%)	proportional
3	3	0-255	<b>White LED 2</b> White LED saturation control (0-100%)	proportional
<b>ZONE 3</b>				
7	7	0-255	<b>Red LED 3</b> Red LED saturation control (0-100%)	proportional
8	8	0-255	<b>Green LED 3</b> Green LED saturation control (0-100%)	proportional
9	9	0-255	<b>Blue LED 3</b> Blue LED saturation control (0-100%)	proportional
2	2	0-255	<b>White LED 3</b> White LED saturation control (0-100%)	proportional
<b>ZONE 4</b>				
10	10	0-255	<b>Red LED 4</b> Red LED saturation control (0-100%)	proportional
11	11	0-255	<b>Green LED 4</b> Green LED saturation control (0-100%)	proportional
12	12	0-255	<b>Blue LED 4</b> Blue LED saturation control (0-100%)	proportional
1	1	0-255	<b>White LED 4</b> White LED saturation control (0-100%)	proportional
<b>ZONE 6</b>				
16	16	0-255	<b>Red LED 6</b> Red LED saturation control (0-100%)	proportional
17	17	0-255	<b>Green LED 6</b> Green LED saturation control (0-100%)	proportional
18	18	0-255	<b>Blue LED 6</b> Blue LED saturation control (0-100%)	proportional
15	15	0-255	<b>White LED 6</b> White LED saturation control (0-100%)	proportional
<b>ZONE 7</b>				
19	19	0-255	<b>Red LED 7</b> Red LED saturation control (0-100%)	proportional
20	20	0-255	<b>Green LED 7</b> Green LED saturation control (0-100%)	proportional
21	21	0-255	<b>Blue LED 7</b> Blue LED saturation control (0-100%)	proportional
14	14	0-255	<b>White LED 7</b> White LED saturation control (0-100%)	proportional
<b>ZONE 8</b>				
22	22	0-255	<b>Red LED 8</b> Red LED saturation control (0-100%)	proportional
23	23	0-255	<b>Green LED 8</b> Green LED saturation control (0-100%)	proportional
24	24	0-255	<b>Blue LED 8</b> Blue LED saturation control (0-100%)	proportional
13	13	0-255	<b>White LED 8</b> White LED saturation control (0-100%)	proportional

Mode 1	Mode 2	Value	Function	Type of control
Channel	Channel			
<b>ZONE 10</b>				
28	28	0-255	<b>Red LED 10</b> Red LED saturation control (0-100%)	proportional
29	29	0-255	<b>Green LED 10</b> Green LED saturation control (0-100%)	proportional
30	30	0-255	<b>Blue LED 10</b> Blue LED saturation control (0-100%)	proportional
27	27	0-255	<b>White LED 10</b> White LED saturation control (0-100%)	proportional
<b>ZONE 11</b>				
31	31	0-255	<b>Red LED 11</b> Red LED saturation control (0-100%)	proportional
32	32	0-255	<b>Green LED 11</b> Green LED saturation control (0-100%)	proportional
33	33	0-255	<b>Blue LED 11</b> Blue LED saturation control (0-100%)	proportional
26	26	0-255	<b>White LED 11</b> White LED saturation control (0-100%)	proportional
<b>ZONE 12</b>				
34	34	0-255	<b>Red LED 12</b> Red LED saturation control (0-100%)	proportional
35	35	0-255	<b>Green LED 12</b> Green LED saturation control (0-100%)	proportional
36	36	0-255	<b>Blue LED 12</b> Blue LED saturation control (0-100%)	proportional
12	12	0-255	<b>White LED 12</b> White LED saturation control (0-100%)	proportional
<b>ZONE 14</b>				
40	40	0-255	<b>Red LED 14</b> Red LED saturation control (0-100%)	proportional
41	41	0-255	<b>Green LED 14</b> Green LED saturation control (0-100%)	proportional
42	42	0-255	<b>Blue LED 14</b> Blue LED saturation control (0-100%)	proportional
39	39	0-255	<b>White LED 14</b> White LED saturation control (0-100%)	proportional
<b>ZONE 15</b>				
43	43	0-255	<b>Red LED 15</b> Red LED saturation control (0-100%)	proportional
44	44	0-255	<b>Green LED 15</b> Green LED saturation control (0-100%)	proportional
45	45	0-255	<b>Blue LED 15</b> Blue LED saturation control (0-100%)	proportional
38	38	0-255	<b>White LED 15</b> White LED saturation control (0-100%)	proportional
<b>ZONE 16</b>				
46	46	0-255	<b>Red LED 16</b> Red LED saturation control (0-100%)	proportional
47	47	0-255	<b>Green LED 16</b> Green LED saturation control (0-100%)	proportional
48	48	0-255	<b>Blue LED 16</b> Blue LED saturation control (0-100%)	proportional
37	37	0-255	<b>White LED 16</b> White LED saturation control (0-100%)	proportional

Mode 1	Mode 2	Value	Function	Type of control
Channel	Channel			
-	49	0-31 32-63 64-95 96-127 128-143 144-159 160-255	<b>Shutter/Strobe</b> Shutter closed Shutter open Strobe-effect from slow to fast Shutter open Opening pulses in sequences slow--> fast Closing pulses in sequences fast --> slow Shutter open	step step proportional step proportional proportional step
-	50	0-255	<b>Dimmer</b> Dimmer intensity from 0% to 100%	proportional