

Channel information of BB 7 washlight

Mode 1 **3 channel 8 bit**

- 1 red all cells
- 2 green all cells
- 3 blue all cells

Mode 2 **6 channel 16 bit**

- 1 red high byte all cells
- 2 red low byte all cells
- 3 green high byte all cells
- 4 green low byte all cells
- 5 blue high byte all cells
- 6 blue low byte all cells

Mode 3 **5 channel 8 bit**

- 1 master intensity all cells
- 2 strobe all cells
- 3 red all cells
- 4 green all cells
- 5 blue all cells

Mode 4 **9 channel 16 bit**

- 1 master intensity high byte all cells
- 2 master intensity low byte all cells
- 3 strobe all cells
- 4 red high byte all cells
- 5 red low byte all cells
- 6 green high byte all cells
- 7 green low byte all cells
- 8 blue high byte all cells
- 9 blue low byte all cells

Mode 5 **21 channel 8 bit** **cells run from top
clockwise with the seventh cell in the centre**

- 1 red cell 1
- 2 green cell 1
- 3 blue cell 1
- 4 red cell 2
- 5 green cell 2
- 6 blue cell 2
- 7 red cell 3

- 8 green cell 3
- 9 blue cell 3
- 10 red cell 4
- 11 green cell 4
- 12 blue cell 4
- 13 red cell 5
- 14 green cell 5
- 15 blue cell 5
- 16 red cell 6
- 17 green cell 6
- 18 blue cell 6
- 19 red cell 7
- 20 green cell 7
- 21 blue cell 7

Mode 6 42 channel 16 bit
clockwise with the seventh cell in the centre

cells run from top

- 1 red high byte cell 1
- 2 red low byte cell 1
- 3 green high byte cell 1
- 4 green low byte cell 1
- 5 blue high byte cell 1
- 6 blue low byte cell 1
- 7 red high byte cell 2
- 8 red low byte cell 2
- 9 green high byte cell 2
- 10 green low byte cell 2
- 11 blue high byte cell 2
- 12 blue low byte cell 2
- 13 red high byte cell 3
- 14 red low byte cell 3
- 15 green high byte cell 3
- 16 green low byte cell 3
- 17 blue high byte cell 3
- 18 blue low byte cell 3
- 19 red high byte cell 4
- 20 red low byte cell 4
- 21 green high byte cell 4
- 22 green low byte cell 4
- 23 blue high byte cell 4
- 24 blue low byte cell 4
- 25 red high byte cell 5
- 26 red low byte cell 5
- 27 green high byte cell 5

28 green low byte cell 5
29 blue high byte cell 5
30 blue low byte cell 5
31 red high byte cell 6
32 red low byte cell 6
33 green high byte cell 6
34 green low byte cell 6
35 blue high byte cell 6
36 blue low byte cell 6
37 red high byte cell 7
38 red low byte cell 7
39 green high byte cell 7
40 green low byte cell 7
41 blue high byte cell 7
42 blue low byte cell 7

**Mode 7 23 channel 8 bit cells run from top
clockwise with the seventh cell in the centre**

1 master intensity all cells
2 strobe all cells
3 red cell 1
4 green cell 1
5 blue cell 1
6 red cell 2
7 green cell 2
8 blue cell 2
9 red cell 3
10 green cell 3
11 blue cell 3
12 red cell 4
13 green cell 4
14 blue cell 4
15 red cell 5
16 green cell 5
17 blue cell 5
18 red cell 6
19 green cell 6
20 blue cell 6
21 red cell 7
22 green cell 7
23 blue cell 7

Mode 8 45 channel 16 bit
clockwise with the seventh cell in the centre

cells run from top

- 1 master intensity high byte
- 2 master intensity low byte
- 3 strobe all cells
- 4 red high byte cell 1
- 5 red low byte cell 1
- 6 green high byte cell 1
- 7 green byte low byte cell 1
- 8 blue high byte cell 1
- 9 blue low byte cell 1
- 10 red high byte cell 2
- 11 red low byte cell 2
- 12 green high byte cell 2
- 13 green byte low byte cell 2
- 14 blue high byte cell 2
- 15 blue low byte cell 2
- 16 red high byte cell 3
- 17 red low byte cell 3
- 18 green high byte cell 3
- 19 green byte low byte cell 3
- 20 blue high byte cell 3
- 21 blue low byte cell 3
- 22 red high byte cell 4
- 23 red low byte cell 4
- 24 green high byte cell 4
- 25 green byte low byte cell 4
- 26 blue high byte cell 4
- 27 blue low byte cell 4
- 28 red high byte cell 5
- 29 red low byte cell 5
- 30 green high byte cell 5
- 31 green byte low byte cell 5
- 32 blue high byte cell 5
- 33 blue low byte cell 5
- 34 red high byte cell 6
- 35 red low byte cell 6
- 36 green high byte cell 6
- 37 green byte low byte cell 6
- 38 blue high byte cell 6
- 39 blue low byte cell 6
- 40 red high byte cell 7
- 41 red low byte cell 7
- 42 green high byte cell 7
- 43 green byte low byte cell 7

- 44 blue high byte cell 7
- 45 blue low byte cell 7

**Mode 9 35 channel 8 bit cells run from top
clockwise with the seventh cell in the centre**

- 1 master intensity cell 1
- 2 strobe cell 1
- 3 red cell 1
- 4 green cell 1
- 5 blue cell 1
- 6 master intensity cell 2
- 7 strobe cell 2
- 8 red cell 2
- 9 green cell 2
- 10 blue cell 2
- 11 master intensity cell 3
- 12 strobe cell 3
- 13 red cell 3
- 14 green cell 3
- 15 blue cell 3
- 16 master intensity cell 4
- 17 strobe cell 4
- 18 red cell 4
- 19 green cell 4
- 20 blue cell 4
- 21 master intensity cell 5
- 22 strobe cell 5
- 23 red cell 5
- 24 green cell 5
- 25 blue cell 5
- 26 master intensity cell 6
- 27 strobe cell 6
- 28 red cell 6
- 29 green cell 6
- 30 blue cell 6
- 31 master intensity cell 7
- 32 strobe cell 7
- 33 red cell 7
- 34 green cell 7
- 35 blue cell 7

**Mode 10 63 channel 16 bit cells run from top
clockwise with the seventh cell in the centre**

1 master intensity high byte cell 1
2 master intensity low byte cell 1
3 strobe cell 1
4 red high byte cell 1
5 red low byte cell 1
6 green high byte cell 1
7 green low byte cell 1
8 blue high byte cell 1
9 blue low byte cell 1
10 master intensity high byte cell 2
11 master intensity low byte cell 2
12 strobe cell 2
13 red high byte cell 2
14 red low byte cell 2
15 green high byte cell 2
16 green low byte cell 2
17 blue high byte cell 2
18 blue low byte cell 2
19 master intensity high byte cell 3
20 master intensity low byte cell 3
21 strobe cell 3
22 red high byte cell 3
23 red low byte cell 3
24 green high byte cell 3
25 green low byte cell 3
26 blue high byte cell 3
27 blue low byte cell 3
28 master intensity high byte cell 4
29 master intensity low byte cell 4
30 strobe cell 4
31 red high byte cell 4
32 red low byte cell 4
33 green high byte cell 4
34 green low byte cell 4
35 blue high byte cell 4
36 blue low byte cell 4
37 master intensity high byte cell 5
38 master intensity low byte cell 5
39 strobe cell 5
40 red high byte cell 5
41 red low byte cell 5
42 green high byte cell 5
43 green low byte cell 5
44 blue high byte cell 5
45 blue low byte cell 5

46 master intensity high byte cell 6
 47 master intensity low byte cell 6
 48 strobe cell 6
 49 red high byte cell 6
 50 red low byte cell 6
 51 green high byte cell 6
 52 green low byte cell 6
 53 blue high byte cell 6
 54 blue low byte cell 6
 55 master intensity high byte cell 7
 56 master intensity low byte cell 7
 57 strobe cell 7
 58 red high byte cell 7
 59 red low byte cell 7
 60 green high byte cell 7
 61 green low byte cell 7
 62 blue high byte cell 7
 63 blue low byte cell 7

Strobe Frequencies:

Dmx value	frequency
0-20	all on no strobe
21-50	2.7 Hz
51-60	4.8 Hz
61-80	6.4 Hz
81-100	7 Hz
101-120	7.7 Hz
121-140	9.6 Hz
141-160	10.6 Hz
161-180	14.7 Hz
181-200	20.8 Hz
201-220	23.8 Hz
221-240	26.3 Hz
241	and above 33 Hz