

## CLUSTER

### B4 W

4-Lite Audience Blinder

1CH DWE

4-1CH DWE

4-2CH DWE

7CH STROBE

9CH STANDARD (default)

12CH EXTENDED

17CH EXTENDED

CH	1CH DWE	4-1CH DWE	4-2CH DWE	7CH STROBE	9CH STANDARD (default)	12CH EXTENDED	17CH EXTENDED
1	Dimmer	Dimmer 1	Dimmer	Master Dimmer	Master Dimmer	Master Dimmer	Master Dimmer
2		Dimmer 2	Dimmer Curve	Shutter	Shutter	Shutter	Master Dimmer Fine
3		Dimmer 3	Dimmer Response	Duration	Dimmer 1	Duration	Shutter
4		Dimmer 4	Redshift	Dimmer 1	Dimmer 2	Dimmer 1	Duration
5				Dimmer 2	Dimmer 3	Dimmer 2	Dimmer 1
6				Dimmer 3	Dimmer 4	Dimmer 3	Dimmer 1 Fine
7				Dimmer 4	Dimmer Curve	Dimmer 4	Dimmer 2
8					Dimmer Response	Dimmer Curve	Dimmer 2 Fine
9					Redshift	Dimmer Response	Dimmer 3
10						Redshift	Dimmer 3 Fine
11						Effect	Dimmer 4
12						Device Settings	Dimmer 4 Fine
13							Dimmer Curve
14							Dimmer Response
15							Redshift
16							Effect
17							Device Settings

## 1CH DWE

CH	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0

## 4-1CH DWE

CH	Function	Value	Setting	Remark	Default
1	Dimmer 1	000-255	0 - 100%		0
2	Dimmer 2	000-255	0 - 100%		0
3	Dimmer 3	000-255	0 - 100%		0
4	Dimmer 4	000-255	0 - 100%		0

## 4-2CH DWE

CH	Function	Value	Setting	Remark	Default
1	Dimmer	000-255	0 - 100%		0
2	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
3	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
4	Redshift	000-84	No Function - Current Preset from Menu Settings		0
		085-170	Redshift Off		
		171-255	Redshift On		

## 7CH STROBE MODE

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse(fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse(fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		

2	Shutter	125 - 129	Shutter open		20
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
		3	Duration	000-255	
4	Dimmer 1	000-255	0 - 100%		255
5	Dimmer 2	000-255	0 - 100%		255
6	Dimmer 3	000-255	0 - 100%		255
7	Dimmer 4	000-255	0 - 100%		255

**9CH STANDARD (default)**

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		

2	Shutter	190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)	20
		205 - 209	Shutter open	
		210 - 224	Strobe 9:sine wave (fast ⊕ slow)	
		225 - 229	Shutter open	
		230 - 244	Strobe 10: burst (fast ⊕ slow)	
		245 - 255	Shutter open	
3	Dimmer 1	000-255	0 - 100%	255
4	Dimmer 2	000-255	0 - 100%	255
5	Dimmer 3	000-255	0 - 100%	255
6	Dimmer 4	000-255	0 - 100%	255
7	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings	0
		052-101	Linear Dimmer Curve	
		102-152	Exponential Dimmer Curve	
		153-203	Logarithmic Dimmer Curve	
		204-255	S-Curve Dimmer Curve	
8	Dimmer Response	000-063	No Function - Current Preset from Menu Settings	0
		064-127	LED / fast	
		128-191	Medium	
		192-255	Halogen / slow	
9	Redshift	000-84	No Function - Current Preset from Menu Settings	0
		085-170	Redshift Off	
		171-255	Redshift On	

**12CH EXTENDED**

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Shutter	000 - 019	Shutter close	20	
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse (fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe (fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		
		145 - 149	Shutter open		
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		

2	Shutter	165 - 169	Shutter open		20
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
3	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
4	Dimmer 1	000-255	0 - 100%		255
5	Dimmer 2	000-255	0 - 100%		255
6	Dimmer 3	000-255	0 - 100%		255
7	Dimmer 4	000-255	0 - 100%		255
8	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
9	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
10	Redshift	000-84	No Function - Current Preset from Menu Settings		0
		085-170	Redshift Off		
		171-255	Redshift On		
11	Effect	000-40	No Function		0
		041-083	Effect 1 (slow to fast)		
		084-126	Effect 2 (slow to fast)		
		127-169	Effect 3 (slow to fast)		
		170-212	Effect 4 (slow to fast)		
		213-255	Effect 5 (slow to fast)		
12	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		

12	Device Settings (please see remark *1)	060-064	No function		0
		65-069	RAW (hold 3s)		
		070-074	User Calibrated (hold 3s)		
		075-079	No function		
		080-084	LED Frequency 800Hz (hold 3s)		
		085-089	LED Frequency 1200Hz (hold 3s)		
		090-094	LED Frequency 2000Hz (hold 3s)		
		095-099	LED Frequency 3600Hz (hold 3s)		
		100-104	LED Frequency 12kHz (hold 3s)		
		105-109	LED Frequency 25kHz (hold 3s)		
		110-114	No function		
		115-119	Fan Auto (hold 3s)		
		120-124	Fan Silent (hold 3s)		
		125-129	Fan Off (hold 3s)		
		130-134	Fan High Power (hold 3s)		
		135-139	No function		
		140-144	Invert Mapping Off (hold 3s)		
		145-149	Invert Mapping CW (hold 3s)		
		150-154	Invert Mapping CCW (hold 3s)		
		155-159	No function		
		160-164	LED Mode - Illumination (hold 1,5s)		
		165-169	LED Mode - Boost (hold 1,5s)		
		170-174	No function		
175-179	Factory Reset (hold 3s)				
180-184	User Reset (hold 3s)	no self-test by DMX			
185-255	No function				

**17CH EXTENDED**

CH	Function	Value	Setting	Remark	Default
1	Master Dimmer	000-255	0 - 100%		0
2	Master Dimmer Fine	000-255	0 - 100%		0
3	Shutter	000 - 019	Shutter close		20
		020 - 024	Shutter open		
		025 - 064	Strobe 1 (fast ⊕ slow)		
		065 - 069	Shutter open		
		070 - 084	Strobe 2: opening pulse (fast ⊕ slow)		
		085 - 089	Shutter open		
		090 - 104	Strobe 3: closing pulse(fast ⊕ slow)		
		105 - 109	Shutter open		
		110 - 124	Strobe 4: random strobe(fast ⊕ slow)		
		125 - 129	Shutter open		
		130 - 144	Strobe 5: random opening pulse (fast ⊕ slow)		

3	Shutter	145 - 149	Shutter open		20
		150 - 164	Strobe 6: random closing pulse (fast ⊕ slow)		
		165 - 169	Shutter open		
		170 - 184	Strobe 7: burst pulse (fast ⊕ slow)		
		185 - 189	Shutter open		
		190 - 204	Strobe 8: random burst pulse (fast ⊕ slow)		
		205 - 209	Shutter open		
		210 - 224	Strobe 9: sine wave (fast ⊕ slow)		
		225 - 229	Shutter open		
		230 - 244	Strobe 10: burst (fast ⊕ slow)		
		245 - 255	Shutter open		
4	Duration	000-255	0 - 100% (0ms - 510ms)	only affects to channel 2 - Strobe 1 025-064	0
5	Dimmer 1	000-255	0 - 100%		255
6	Dimmer 1 Fine	000-255	0 - 100%		255
7	Dimmer 2	000-255	0 - 100%		255
8	Dimmer 2 Fine	000-255	0 - 100%		255
9	Dimmer 3	000-255	0 - 100%		255
10	Dimmer 3 Fine	000-255	0 - 100%		255
11	Dimmer 4	000-255	0 - 100%		255
12	Dimmer 4 Fine	000-255	0 - 100%		255
13	Dimmer Curve	000-51	No Function - Current Preset from Menu Settings		0
		052-101	Linear Dimmer Curve		
		102-152	Exponential Dimmer Curve		
		153-203	Logarithmic Dimmer Curve		
		204-255	S-Curve Dimmer Curve		
14	Dimmer Response	000-063	No Function - Current Preset from Menu Settings		0
		064-127	LED / fast		
		128-191	Medium		
		192-255	Halogen / slow		
15	Redshift	000-84	No Function - Current Preset from Menu Settings		0
		085-170	Redshift Off		
		171-255	Redshift On		
16	Effect	000-40	No Function		0
		041-083	Effect 1 (slow to fast)		
		084-126	Effect 2 (slow to fast)		
		127-169	Effect 3 (slow to fast)		
		170-212	Effect 4 (slow to fast)		
		213-255	Effect 5 (slow to fast)		

17	Device Settings (please see remark *1)	000-029	No function		0
		030-034	Display Backlight On (hold 3s)		
		035-039	Display Backlight Off (hold 3s)		
		040-044	No function		
		045-049	DMX Fail Blackout (hold 3s)		
		050-054	DMX Fail Hold (hold 3s)		
		055-059	DMX Fail - Emergency Light (hold 3s)		
		060-064	No function		
		65-069	RAW (hold 3s)		
		070-074	User Calibrated (hold 3s)		
		075-079	No function		
		080-084	LED Frequency 800Hz (hold 3s)		
		085-089	LED Frequency 1200Hz (hold 3s)		
		090-094	LED Frequency 2000Hz (hold 3s)		
		095-099	LED Frequency 3600Hz (hold 3s)		
		100-104	LED Frequency 12kHz (hold 3s)		
		105-109	LED Frequency 25kHz (hold 3s)		
		110-114	No function		
		115-119	Fan Auto (hold 3s)		
		120-124	Fan Silent (hold 3s)		
		125-129	Fan Off (hold 3s)		
		130-134	Fan High Power (hold 3s)		
		135-139	No function		
		140-144	Invert Mapping Off (hold 3s)		
		145-149	Invert Mapping CW (hold 3s)		
		150-154	Invert Mapping CCW (hold 3s)		
		155-159	No function		
		160-164	LED Mode - Illumination (hold 1,5s)		
		165-169	LED Mode - Boost (hold 1,5s)		
		170-174	No function		
175-179	Factory Reset (hold 3s)				
180-184	User Reset (hold 3s)	no self-test by DMX			
185-255	No function				
remark *1		After adjustments please set the value back to 000 to avoid any disturbance by endless function call.			

