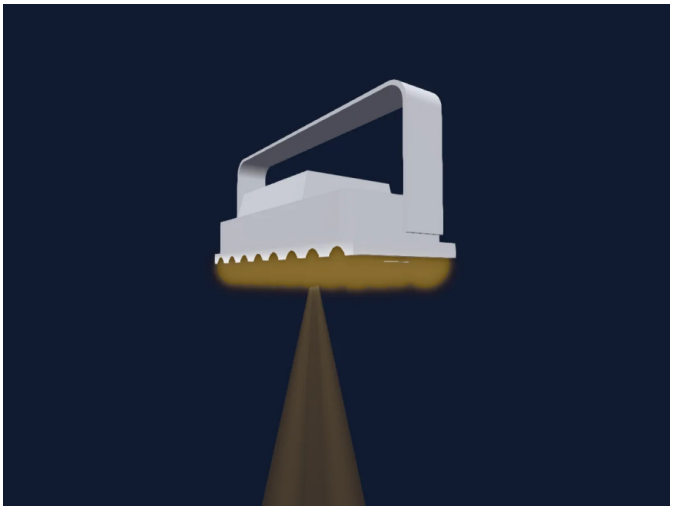
Clay Paky

Tambora Flash



Manufacturer	**Clay Paky**
Type	**Blinder**
DMX modes	**8**
DMX footprint	**1, 3, 4, 16, 20, 34, 36, 42 channels**
Beam angle	**25°**
Heads / cells	**2**
Size (W × H × D)	**532 × 200 × 66 mm**
GDTF fixture type	**D9BB90DE-8A21-4B97-9345-B5…**

Controls

Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control

Safety-relevant functions

Strobe

DMX modes

Strobe	1 ch
RGB	3 ch
RGBW	4 ch
Standard RGBW	16 ch
Standard RGBW 16Bit	20 ch
Shape RGBW	34 ch
Advanced	36 ch
Shape RGBW 16Bit	42 ch

Strobe

1 channel

Ch	Function	Default	DMX values
1	White	0	0–254 0% (wheel slot 5) 255–255 100%

RGB

3 channels

Ch	Function	Default	DMX values
1	Color RGBRed	0	
2	Color RGBGreen	0	
3	Color RGBBlue	0	

RGBW

4 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	

Standard RGBW

16 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	
3	Blue	0	
4	White	0	
5	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
6	Shutter / Strobe	104	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Open (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Open (wheel slot 1)
7	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
8	Dimmer Fine	0	Fine byte of Dimmer
9	Color Crossfade	0	
10	Attack Fade	0	
11	Release Fade	0	

Standard RGBW (continued)

Ch	Function	Default	DMX values
12	Control1	0	0–1 No Function (wheel slot 1) 2–3 Fan Auto* (wheel slot 1) 4–5 Fan Silent (wheel slot 1) 6–7 Fan Theatre (wheel slot 1) 8–9 Fan Constant (wheel slot 1) 10–37 Reserved (wheel slot 1) 38–42 Dimmer Curve 1* (wheel slot 1) 43–47 Dimmer Curve 2 (wheel slot 1) 48–52 Dimmer Curve 3 (wheel slot 1) 53–55 Dimmer Curve 4 (wheel slot 1) 56–57 Dimmer Curve 5 (wheel slot 1) 58–62 Gamma 1 63–67 Gamma 1_5 68–72 Gamma 2_2* 73–78 Dimmer Fade OFF* (wheel slot 1) 79–84 Dimmer Fade ON 85–86 Pixel Rev Map OFF* (wheel slot 1) 87–88 Pixel Rev Map ON (wheel slot 1) 89–90 Strobe Rev Map OFF* (wheel slot 1) 91–92 Strobe Rev Map ON (wheel slot 1) 93–97 Pixel Map OFF* (wheel slot 1) 98–102 Pixel Map RGB (wheel slot 1) 103–107 Pixel Map RGBW (wheel slot 1) 108–112 Red Shift On (wheel slot 1) 113–117 Red Shift Off (wheel slot 1) 118–120 Strobe Pixel Map OFF* (wheel slot 1) 121–122 Strobe Pixel Map ON (wheel slot 1) 123–124 Color Calib OFF* (wheel slot 1) 125–126 Color Calib Factory 127–128 Color Calib Custom 129–167 Unused Range 3 168–188 600Hz (wheel slot 1) 189–199 1200Hz (wheel slot 1) 200–210 2000Hz* (wheel slot 1) 211–221 4000Hz (wheel slot 1) 222–232 6000Hz (wheel slot 1) 233–243 25000Hz (wheel slot 1) 244–248 Display OFF* (wheel slot 1) 249–253 Display ON (wheel slot 1) 254–255 Default Recall
13	Shutter / Strobe	0	0–5 No Effect (wheel slot 5) 6–42 Ramp Up (wheel slot 5) 43–85 Ramp Down (wheel slot 5) 86–128 Ramp Up to Down (wheel slot 5) 129–171 Random (wheel slot 5) 172–214 Lightning (wheel slot 5) 215–255 Spikes (wheel slot 5)
14	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
15	Strobe Duration	0	
16	Strobe Frequency	0	0–5 No Effect 6–254 Slow (wheel slot 5) 255–255 Fast

Standard RGBW 16Bit

20 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red

Standard RGBW 16Bit (continued)

Ch	Function	Default	DMX values
3	Green	0	
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
10	Shutter / Strobe	104	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Open (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Open (wheel slot 1)
11	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
12	Dimmer Fine	0	Fine byte of Dimmer
13	Color Crossfade	0	
14	Attack Fade	0	
15	Release Fade	0	

Standard RGBW 16Bit (continued)

Ch	Function	Default	DMX values
16	Control1	0	0–1 No Function (wheel slot 1) 2–3 Fan Auto* (wheel slot 1) 4–5 Fan Silent (wheel slot 1) 6–7 Fan Theatre (wheel slot 1) 8–9 Fan Constant (wheel slot 1) 10–37 Reserved (wheel slot 1) 38–42 Dimmer Curve 1* (wheel slot 1) 43–47 Dimmer Curve 2 (wheel slot 1) 48–52 Dimmer Curve 3 (wheel slot 1) 53–55 Dimmer Curve 4 (wheel slot 1) 56–57 Dimmer Curve 5 (wheel slot 1) 58–62 Gamma 1 63–67 Gamma 1_5 68–72 Gamma 2_2* 73–78 Dimmer Fade OFF* (wheel slot 1) 79–84 Dimmer Fade ON 85–86 Pixel Rev Map OFF* (wheel slot 1) 87–88 Pixel Rev Map ON (wheel slot 1) 89–90 Strobe Rev Map OFF* (wheel slot 1) 91–92 Strobe Rev Map ON (wheel slot 1) 93–97 Pixel Map OFF* (wheel slot 1) 98–102 Pixel Map RGB (wheel slot 1) 103–107 Pixel Map RGBW (wheel slot 1) 108–112 Red Shift On (wheel slot 1) 113–117 Red Shift Off (wheel slot 1) 118–120 Strobe Pixel Map OFF* (wheel slot 1) 121–122 Strobe Pixel Map ON (wheel slot 1) 123–124 Color Calib OFF* (wheel slot 1) 125–126 Color Calib Factory 127–128 Color Calib Custom 129–167 Unused Range 3 168–188 600Hz (wheel slot 1) 189–199 1200Hz (wheel slot 1) 200–210 2000Hz* (wheel slot 1) 211–221 4000Hz (wheel slot 1) 222–232 6000Hz (wheel slot 1) 233–243 25000Hz (wheel slot 1) 244–248 Display OFF* (wheel slot 1) 249–253 Display ON (wheel slot 1) 254–255 Default Recall
17	Shutter / Strobe	0	0–5 No Effect (wheel slot 5) 6–42 Ramp Up (wheel slot 5) 43–85 Ramp Down (wheel slot 5) 86–128 Ramp Up to Down (wheel slot 5) 129–171 Random (wheel slot 5) 172–214 Lightning (wheel slot 5) 215–255 Spikes (wheel slot 5)
18	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
19	Strobe Duration	0	
20	Strobe Frequency	0	0–5 No Effect 6–254 Slow (wheel slot 5) 255–255 Fast

Shape RGBW

34 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Green	0	

Shape RGBW (continued)

Ch	Function	Default	DMX values
3	Blue	0	
4	White	0	
5	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
6	Shutter / Strobe	104	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Open (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Open (wheel slot 1)
7	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
8	Dimmer Fine	0	Fine byte of Dimmer
9	Color Crossfade	0	
10	Attack Fade	0	
11	Release Fade	0	

Shape RGBW (continued)

Ch	Function	Default	DMX values
12	Control1	0	0–1 No Function (wheel slot 1) 2–3 Fan Auto* (wheel slot 1) 4–5 Fan Silent (wheel slot 1) 6–7 Fan Theatre (wheel slot 1) 8–9 Fan Constant (wheel slot 1) 10–37 Reserved (wheel slot 1) 38–42 Dimmer Curve 1* (wheel slot 1) 43–47 Dimmer Curve 2 (wheel slot 1) 48–52 Dimmer Curve 3 (wheel slot 1) 53–55 Dimmer Curve 4 (wheel slot 1) 56–57 Dimmer Curve 5 (wheel slot 1) 58–62 Gamma 1 63–67 Gamma 1_5 68–72 Gamma 2_2* 73–78 Dimmer Fade OFF* (wheel slot 1) 79–84 Dimmer Fade ON 85–86 Pixel Rev Map OFF* (wheel slot 1) 87–88 Pixel Rev Map ON (wheel slot 1) 89–90 Strobe Rev Map OFF* (wheel slot 1) 91–92 Strobe Rev Map ON (wheel slot 1) 93–97 Pixel Map OFF* (wheel slot 1) 98–102 Pixel Map RGB (wheel slot 1) 103–107 Pixel Map RGBW (wheel slot 1) 108–112 Red Shift On (wheel slot 1) 113–117 Red Shift Off (wheel slot 1) 118–120 Strobe Pixel Map OFF* (wheel slot 1) 121–122 Strobe Pixel Map ON (wheel slot 1) 123–124 Color Calib OFF* (wheel slot 1) 125–126 Color Calib Factory 127–128 Color Calib Custom 129–167 Unused Range 3 168–188 600Hz (wheel slot 1) 189–199 1200Hz (wheel slot 1) 200–210 2000Hz* (wheel slot 1) 211–221 4000Hz (wheel slot 1) 222–232 6000Hz (wheel slot 1) 233–243 25000Hz (wheel slot 1) 244–248 Display OFF* (wheel slot 1) 249–253 Display ON (wheel slot 1) 254–255 Default Recall
13	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
14	Shape Selection	0	0–15 Effect 1 (wheel slot 1) 16–31 Effect 2 (wheel slot 1) 32–47 Effect 3 (wheel slot 1) 48–63 Effect 4 (wheel slot 1) 64–79 Effect 5 (wheel slot 1) 80–95 Effect 6 (wheel slot 1) 96–111 Effect 7 (wheel slot 1) 112–127 Effect 8 (wheel slot 1) 128–143 Effect 9 (wheel slot 1) 144–159 Effect 10 (wheel slot 1) 160–175 Effect 11 (wheel slot 1) 176–191 Effect 12 (wheel slot 1) 192–207 Effect 13 (wheel slot 1) 208–223 Effect 14 (wheel slot 1) 224–239 Effect 15 (wheel slot 1) 240–255 Effect 16 (wheel slot 1)
15	Shape Speed	0	0–124 Indexing 125–130 Stop 131–255 Backward Slow to Fast

Shape RGBW (continued)

Ch	Function	Default	DMX values
16	Shape Fade	0	0–5 Off (wheel slot 1) 6–130 Fade Increase (wheel slot 1) 131–255 Wake Increase
17	Shutter / Strobe	104	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Shape Slave when dimmer@0 (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Shape Master when dimmer@0 (wheel slot 1)
18	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
19	Shape Transition	0	
20	Red	0	0–254 0% (wheel slot 1) 255–255 100%
21	Green	0	0–254 0% (wheel slot 1) 255–255 100%
22	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
23	White	0	0–254 0% (wheel slot 1) 255–255 100%
24	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
25	Shutter / Strobe	104	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Open (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Open (wheel slot 1)
26	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
27	Shutter / Strobe	0	0–5 No Effect (wheel slot 5) 6–42 Ramp Up (wheel slot 5) 43–85 Ramp Down (wheel slot 5) 86–128 Ramp Up to Down (wheel slot 5) 129–171 Random (wheel slot 5) 172–214 Lightning (wheel slot 5) 215–255 Spikes (wheel slot 5)
28	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
29	Strobe Duration	0	
30	Strobe Frequency	0	0–5 No Effect 6–254 Slow (wheel slot 5) 255–255 Fast

Shape RGBW (continued)

Ch	Function	Default	DMX values
31	Shape Mode	0	0–15 Effect 1 (wheel slot 1) 16–31 Effect 2 (wheel slot 1) 32–47 Effect 3 (wheel slot 1) 48–63 Effect 4 (wheel slot 1) 64–79 Effect 5 (wheel slot 1) 80–95 Effect 6 (wheel slot 1) 96–111 Effect 7 (wheel slot 1) 112–127 Effect 8 (wheel slot 1) 128–143 Effect 9 (wheel slot 1) 144–159 Effect 10 (wheel slot 1) 160–175 Effect 11 (wheel slot 1) 176–191 Effect 12 (wheel slot 1) 192–207 Effect 13 (wheel slot 1) 208–223 Effect 14 (wheel slot 1) 224–239 Effect 15 (wheel slot 1) 240–255 Effect 16 (wheel slot 1)
32	Shape Selection	0	0–3 Macro Shutter Open (wheel slot 1) 4–103 Macro Shutter Strobe (wheel slot 1) 104–107 Macro Shutter Open (wheel slot 1) 108–207 Macro Shutter Strobe (wheel slot 1) 208–212 Macro Shutter Open (wheel slot 1) 213–225 Macro Shutter Strobe (wheel slot 1) 226–238 7 239–251 8 252–255 Macro Shutter Open (wheel slot 1)
33	Shape Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
34	Shape Fade	0	0–5 Off (wheel slot 1) 6–130 Fade Increase (wheel slot 1) 131–255 Wake Increase

Advanced

36 channels

Ch	Function	Default	DMX values
1	Red	0	0–254 0% (wheel slot 1) 255–255 100%
2	Green	0	0–254 0% (wheel slot 1) 255–255 100%
3	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
4	White	0	0–254 0% (wheel slot 1) 255–255 100%
5	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
6	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Open (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Open (wheel slot 1)

Advanced (continued)

Ch	Function	Default	DMX values
7	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
8	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Open (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Open (wheel slot 1)
9	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
10	Dimmer Fine	0	Fine byte of Dimmer
11	Color Crossfade	0	0–254 Fast (wheel slot 1) 255–255 Slow
12	Attack Fade	0	0–254 Fast (wheel slot 1) 255–255 Slow
13	Release Fade	0	0–254 Fast (wheel slot 1) 255–255 Slow

Advanced (continued)

Ch	Function	Default	DMX values
14	Control1	0	0–1 No Function (wheel slot 1) 2–3 Fan Auto* (wheel slot 1) 4–5 Fan Silent (wheel slot 1) 6–7 Fan Theatre (wheel slot 1) 8–9 Fan Constant (wheel slot 1) 10–37 Reserved (wheel slot 1) 38–42 Dimmer Curve 1* (wheel slot 1) 43–47 Dimmer Curve 2 (wheel slot 1) 48–52 Dimmer Curve 3 (wheel slot 1) 53–55 Dimmer Curve 4 (wheel slot 1) 56–57 Dimmer Curve 5 (wheel slot 1) 58–62 Gamma 1 63–67 Gamma 1_5 68–72 Gamma 2_2* 73–78 Dimmer Fade OFF* (wheel slot 1) 79–84 Dimmer Fade ON 85–86 Pixel Rev Map OFF* (wheel slot 1) 87–88 Pixel Rev Map ON (wheel slot 1) 89–90 Strobe Rev Map OFF* (wheel slot 1) 91–92 Strobe Rev Map ON (wheel slot 1) 93–97 Pixel Map OFF* (wheel slot 1) 98–102 Pixel Map RGB (wheel slot 1) 103–107 Pixel Map RGBW (wheel slot 1) 108–112 Red Shift On (wheel slot 1) 113–117 Red Shift Off (wheel slot 1) 118–120 Strobe Pixel Map OFF* (wheel slot 1) 121–122 Strobe Pixel Map ON (wheel slot 1) 123–124 Color Calib OFF* (wheel slot 1) 125–126 Color Calib Factory 127–128 Color Calib Custom 129–167 Unused Range 3 168–188 600Hz (wheel slot 1) 189–199 1200Hz (wheel slot 1) 200–210 2000Hz* (wheel slot 1) 211–221 4000Hz (wheel slot 1) 222–232 6000Hz (wheel slot 1) 233–243 25000Hz (wheel slot 1) 244–248 Display OFF* (wheel slot 1) 249–253 Display ON (wheel slot 1) 254–255 Default Recall
15	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
16	Shape Selection	0	0–15 Effect 1 (wheel slot 1) 16–31 Effect 2 (wheel slot 1) 32–47 Effect 3 (wheel slot 1) 48–63 Effect 4 (wheel slot 1) 64–79 Effect 5 (wheel slot 1) 80–95 Effect 6 (wheel slot 1) 96–111 Effect 7 (wheel slot 1) 112–127 Effect 8 (wheel slot 1) 128–143 Effect 9 (wheel slot 1) 144–159 Effect 10 (wheel slot 1) 160–175 Effect 11 (wheel slot 1) 176–191 Effect 12 (wheel slot 1) 192–207 Effect 13 (wheel slot 1) 208–223 Effect 14 (wheel slot 1) 224–239 Effect 15 (wheel slot 1) 240–255 Effect 16 (wheel slot 1)
17	Shape Speed	0	0–124 index 125–130 Stop 131–255 Backward Slow to Fast

Advanced (continued)

Ch	Function	Default	DMX values
18	Shape Fade	0	0–5 Off (wheel slot 1) 6–130 Fade Increase (wheel slot 1) 131–255 Wake Increase
19	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Shape Slave when dimmer@0 (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Shape Master when dimmer@0 (wheel slot 1)
20	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
21	Shape Crossfade	0	
22	Red	0	0–254 0% (wheel slot 1) 255–255 100%
23	Green	0	0–254 0% (wheel slot 1) 255–255 100%
24	Blue	0	0–254 0% (wheel slot 1) 255–255 100%
25	White	0	0–254 0% (wheel slot 1) 255–255 100%
26	C TO	0	0–9 No Function (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
27	Shutter / Strobe	105	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Pixels Slave when dimmer@0 (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Pixels Master when dimmer@0 (wheel slot 1)
28	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
29	Shutter / Strobe	0	0–5 No Effect (wheel slot 5) 6–42 Ramp Upshu 43–85 Ramp Down 86–127 Ramp Up (wheel slot 5) 128–128 Ramp Down 129–171 Random 172–214 Lightning 215–255 Spikes
30	Dimmer	0	0–254 0% (wheel slot 5) 255–255 100%
31	Strobe Duration	0	
32	Strobe Frequency	0	0–5 No Effect 6–254 Slow (wheel slot 5) 255–255 Fast

Advanced (continued)

Ch	Function	Default	DMX values
33	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
34	Shape Selection	0	0–15 Effect 1 (wheel slot 1) 16–31 Effect 2 (wheel slot 1) 32–47 Effect 3 (wheel slot 1) 48–63 Effect 4 (wheel slot 1) 64–79 Effect 5 (wheel slot 1) 80–95 Effect 6 (wheel slot 1) 96–111 Effect 7 (wheel slot 1) 112–127 Effect 8 (wheel slot 1) 128–143 Effect 9 (wheel slot 1) 144–159 Effect 10 (wheel slot 1) 160–175 Effect 11 (wheel slot 1) 176–191 Effect 12 (wheel slot 1) 192–207 Effect 13 (wheel slot 1) 208–223 Effect 14 (wheel slot 1) 224–239 Effect 15 (wheel slot 1) 240–255 Effect 16 (wheel slot 1)
35	Shape Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
36	Shape Fade	0	0–5 Off (wheel slot 1) 6–130 Fade Increase (wheel slot 1) 131–255 Wake Increase

Shape RGBW 16Bit

42 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red
3	Green	0	
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
10	Shutter / Strobe	104	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Open (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Open (wheel slot 1)
11	Dimmer	0	
12	Dimmer Fine	0	Fine byte of Dimmer
13	Color Crossfade	0	
14	Attack Fade	0	

Shape RGBW 16Bit (continued)

Ch	Function	Default	DMX values
15	Release Fade	0	
16	Control1	0	0–1 No Function (wheel slot 1) 2–3 Fan Auto* (wheel slot 1) 4–5 Fan Silent (wheel slot 1) 6–7 Fan Theatre (wheel slot 1) 8–9 Fan Constant (wheel slot 1) 10–37 Reserved (wheel slot 1) 38–42 Dimmer Curve 1* (wheel slot 1) 43–47 Dimmer Curve 2 (wheel slot 1) 48–52 Dimmer Curve 3 (wheel slot 1) 53–55 Dimmer Curve 4 (wheel slot 1) 56–57 Dimmer Curve 5 (wheel slot 1) 58–62 Gamma 1 63–67 Gamma 1_5 68–72 Gamma 2_2* 73–78 Dimmer Fade OFF* (wheel slot 1) 79–84 Dimmer Fade ON 85–86 Pixel Rev Map OFF* (wheel slot 1) 87–88 Pixel Rev Map ON (wheel slot 1) 89–90 Strobe Rev Map OFF* (wheel slot 1) 91–92 Strobe Rev Map ON (wheel slot 1) 93–97 Pixel Map OFF* (wheel slot 1) 98–102 Pixel Map RGB (wheel slot 1) 103–107 Pixel Map RGBW (wheel slot 1) 108–112 Red Shift On (wheel slot 1) 113–117 Red Shift Off (wheel slot 1) 118–120 Strobe Pixel Map OFF* (wheel slot 1) 121–122 Strobe Pixel Map ON (wheel slot 1) 123–124 Color Calib OFF* (wheel slot 1) 125–126 Color Calib Factory 127–128 Color Calib Custom 129–167 Unused Range 3 168–188 600Hz (wheel slot 1) 189–199 1200Hz (wheel slot 1) 200–210 2000Hz* (wheel slot 1) 211–221 4000Hz (wheel slot 1) 222–232 6000Hz (wheel slot 1) 233–243 25000Hz (wheel slot 1) 244–248 Display OFF* (wheel slot 1) 249–253 Display ON (wheel slot 1) 254–255 Default Recall
17	Shape Mode	0	0–5 Normal (wheel slot 1) 6–130 Static (wheel slot 1) 131–255 Dynamic (wheel slot 1)
18	Shape Selection	0	0–15 Effect 1 (wheel slot 1) 16–31 Effect 2 (wheel slot 1) 32–47 Effect 3 (wheel slot 1) 48–63 Effect 4 (wheel slot 1) 64–79 Effect 5 (wheel slot 1) 80–95 Effect 6 (wheel slot 1) 96–111 Effect 7 (wheel slot 1) 112–127 Effect 8 (wheel slot 1) 128–143 Effect 9 (wheel slot 1) 144–159 Effect 10 (wheel slot 1) 160–175 Effect 11 (wheel slot 1) 176–191 Effect 12 (wheel slot 1) 192–207 Effect 13 (wheel slot 1) 208–223 Effect 14 (wheel slot 1) 224–239 Effect 15 (wheel slot 1) 240–255 Effect 16 (wheel slot 1)

Shape RGBW 16Bit (continued)

Ch	Function	Default	DMX values
19	Shape Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
20	Shape Fade	0	0–5 Off (wheel slot 1) 6–130 Fade Increase (wheel slot 1) 131–255 Wake Increase
21	Shutter / Strobe	104	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Shape Slave when dimmer@0 (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Shape Master when dimmer@0 (wheel slot 1)
22	Dimmer	0	
23	Shape Transition	0	
24	Red	0	
25	Red Fine	0	Fine byte of Red
26	Green	0	
27	Green Fine	0	Fine byte of Green
28	Blue	0	
29	Blue Fine	0	Fine byte of Blue
30	White	0	
31	White Fine	0	Fine byte of White
32	C TO	0	0–9 CTO Off (wheel slot 1) 10–254 8000K (wheel slot 1) 255–255 2700K
33	Shutter / Strobe	104	0–3 Closed (wheel slot 1) 4–102 Slow 103–103 Fast 104–107 Open (wheel slot 1) 108–206 Slow (wheel slot 1) 207–207 Fast 208–212 Open (wheel slot 1) 213–225 Slow 226–238 Medium 239–251 Fast 252–255 Open (wheel slot 1)
34	Dimmer	0	
35	Shutter / Strobe	0	0–5 No Effect (wheel slot 5) 6–42 Ramp Up (wheel slot 5) 43–85 Ramp Down (wheel slot 5) 86–128 Ramp Up to Down (wheel slot 5) 129–171 Random (wheel slot 5) 172–214 Lightning (wheel slot 5) 215–255 Spikes (wheel slot 5)
36	Dimmer	0	0–254 0% (wheel slot 1) 255–255 100%
37	Strobe Duration	0	
38	Strobe Frequency	0	0–5 No Effect 6–254 Slow (wheel slot 5) 255–255 Fast

Shape RGBW 16Bit (continued)

Ch	Function	Default	DMX values
39	Shape Mode	0	0–15 Effect 1 (wheel slot 1) 16–31 Effect 2 (wheel slot 1) 32–47 Effect 3 (wheel slot 1) 48–63 Effect 4 (wheel slot 1) 64–79 Effect 5 (wheel slot 1) 80–95 Effect 6 (wheel slot 1) 96–111 Effect 7 (wheel slot 1) 112–127 Effect 8 (wheel slot 1) 128–143 Effect 9 (wheel slot 1) 144–159 Effect 10 (wheel slot 1) 160–175 Effect 11 (wheel slot 1) 176–191 Effect 12 (wheel slot 1) 192–207 Effect 13 (wheel slot 1) 208–223 Effect 14 (wheel slot 1) 224–239 Effect 15 (wheel slot 1) 240–255 Effect 16 (wheel slot 1)
40	Shape Selection	0	0–3 Macro Shutter Open (wheel slot 1) 4–103 Macro Shutter Strobe (wheel slot 1) 104–107 Macro Shutter Open (wheel slot 1) 108–207 Macro Shutter Strobe (wheel slot 1) 208–212 Macro Shutter Open (wheel slot 1) 213–225 Macro Shutter Strobe (wheel slot 1) 226–238 7 239–251 8 252–255 Macro Shutter Open (wheel slot 1)
41	Shape Speed	0	0–124 Index 125–130 Stop 131–255 Backward Slow to Fast
42	Shape Fade	0	0–5 Off (wheel slot 1) 6–130 Fade increase (wheel slot 1) 131–255 Wake Increase