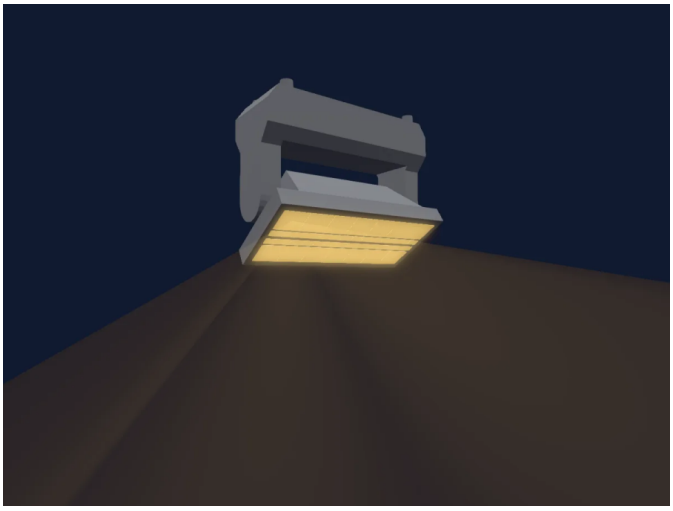
CLXSQUAD

SL-MS3000-RGBW



Manufacturer	**CLXSQUAD**
Type	**Blinder**
DMX modes	**9**
DMX footprint	**8, 11, 13, 24, 30, 47, 68, 74, 97 channels**
Beam angle	**95-123°**
Tilt range	**180°**
Heads / cells	**14**
Size (W × H × D)	**404 × 134 × 188 mm**
GDTF fixture type	**00678A81-FC2A-46A7-8201-C9…**

Controls

RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

8Ch Mode	8 ch
11Ch Mode	11 ch
13Ch Mode	13 ch
24Ch Mode	24 ch
30Ch Mode	30 ch
47Ch Mode	47 ch
68Ch Mode	68 ch
74Ch Mode	74 ch
97Ch Mode	97 ch

8Ch Mode

8 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 Min 127–254 Home 255–255 Max
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–0 Min 1–254 Min > Max 255–255 Max
4	Shutter / Strobe	0	0–9 Shutter Open 10–10 STROBE · Slow 0.1 Hz 11–78 STROBE · Slow > Fast 0.533–29.6 Hz 79–79 STROBE · Fast 30 Hz 80–80 STROBE PULSE RANDOM · Slow 0.1 Hz 81–148 STROBE PULSE RANDOM · Slow > Fast 0.533–29.6 Hz 149–149 STROBE PULSE RANDOM · Fast 30 Hz 150–150 STROBE RANDOM · Slow 0.1 Hz 151–218 STROBE RANDOM · Slow > Fast 0.533–29.6 Hz 219–219 STROBE RANDOM · Fast 30 Hz 220–255 Shutter Open
5	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
6	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
7	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
8	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

11Ch Mode

11 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 Min 127–254 Home 255–255 Max
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–0 Min 1–254 Min > Max 255–255 Max
4	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
5	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
6	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off

11Ch Mode (continued)

Ch	Function	Default	DMX values
7	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
8	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
9	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
10	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
11	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

13Ch Mode

13 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 Min 127–254 Home 255–255 Max
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
4	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
5	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
6	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
7	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
8	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
9	Red	255	0–0 Min 1–254 Min > Max 255–255 Max

13Ch Mode (continued)

Ch	Function	Default	DMX values
10	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
11	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
12	Effect	0	0–5 Open 6–6 Slow 7–41 Slow > Fast 42–42 Fast 43–43 Slow 44–84 Slow > Fast 85–85 Fast 86–86 Slow 87–127 Slow > Fast 128–128 Fast 129–129 Slow 130–170 Slow > Fast 171–171 Fast 172–172 Slow 173–213 Slow > Fast 214–214 Fast 215–215 Slow 216–254 Slow > Fast 255–255 Fast
13	Control1	0	0–5 No Feature 6–10 Dimmer Off - Mode 11–15 Dimmer 1 - Mode 16–20 Dimmer 2 - Mode 21–25 Dimmer 3 - Mode 26–30 600Hz 31–35 1200Hz 36–40 2000Hz 41–45 4000Hz 46–50 6000Hz 51–55 25kHz 56–60 Auto (Fan Mode) 61–65 On (Fan Mode) 66–70 Tilt Reset 71–75 Plate 1 Invert Off 76–80 Plate 1 Invert On 81–85 Plate 2 Invert Off 86–90 Plate 2 Invert On 91–95 Beam 1 Invert Off 96–100 Beam 1 Invert On 101–105 Beam 2 Invert Off 106–110 Beam 2 Invert On 111–115 Plate Swap On 116–120 Plate Swap Off 121–125 Beam Swap On 126–130 Beam Swap Off 131–140 No Function 141–150 FX Pattern Priority 151–155 Color Mix HTP On 156–160 Color Mix HTP Off 161–170 Color Priority 171–255 No Function

24Ch Mode

24 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 Min 127–254 Home 255–255 Max
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–0 Min 1–254 Min > Max 255–255 Max
4	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
5	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
6	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
7	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
8	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
9	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
10	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
11	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
12	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max

24Ch Mode (continued)

Ch	Function	Default	DMX values
13	Effect	0	0–5 Open 6–6 Slow 7–41 Slow > Fast 42–42 Fast 43–43 Slow 44–84 Slow > Fast 85–85 Fast 86–86 Slow 87–127 Slow > Fast 128–128 Fast 129–129 Slow 130–170 Slow > Fast 171–171 Fast 172–172 Slow 173–213 Slow > Fast 214–214 Fast 215–215 Slow 216–254 Slow > Fast 255–255 Fast
14	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–6 White 4200K - CTC (wheel slot 3) 7–8 White 5600K - CTC (wheel slot 4) 9–10 White 8000K - CTC (wheel slot 5) 11–11 Blue (wheel slot 6) 12–48 +Green (wheel slot 7) 49–49 Cyan (wheel slot 8) 50–86 -Blue (wheel slot 9) 87–89 Green (wheel slot 10) 90–124 +Red (wheel slot 11) 125–126 Yellow (wheel slot 12) 127–162 -Green (wheel slot 13) 163–163 Red (wheel slot 14) 164–200 +Blue (wheel slot 15) 201–201 Magenta (wheel slot 16) 202–238 -Red (wheel slot 17) 239–239 Blue (wheel slot 6) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
15	Foreground Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

24Ch Mode (continued)

Ch	Function	Default	DMX values
16	Color Macro2	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–6 White 4200K - CTC (wheel slot 3) 7–8 White 5600K - CTC (wheel slot 4) 9–10 White 8000K - CTC (wheel slot 5) 11–11 Blue (wheel slot 6) 12–48 +Green (wheel slot 7) 49–49 Cyan (wheel slot 8) 50–86 -Blue (wheel slot 9) 87–89 Green (wheel slot 10) 90–124 +Red (wheel slot 11) 125–126 Yellow (wheel slot 12) 127–162 -Green (wheel slot 13) 163–163 Red (wheel slot 14) 164–200 +Blue (wheel slot 15) 201–201 Magenta (wheel slot 16) 202–238 -Red (wheel slot 17) 239–239 Blue (wheel slot 6) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
17	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

24Ch Mode (continued)

Ch	Function	Default	DMX values
18	Effect 2	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

24Ch Mode (continued)

Ch	Function	Default	DMX values
19	Effect Speed 2	0	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
20	Effects2Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max

24Ch Mode (continued)

Ch	Function	Default	DMX values
21	Effect 2	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

24Ch Mode (continued)

Ch	Function	Default	DMX values
22	Effect Speed 2	0	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
23	Effects2Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max
24	Control1	0	0–5 No Feature 6–10 Dimmer Off - Mode 11–15 Dimmer 1 - Mode 16–20 Dimmer 2 - Mode 21–25 Dimmer 3 - Mode 26–30 600Hz 31–35 1200Hz 36–40 2000Hz 41–45 4000Hz 46–50 6000Hz 51–55 25kHz 56–60 Auto (Fan Mode) 61–65 On (Fan Mode) 66–70 Tilt Reset 71–75 Plate 1 Invert Off 76–80 Plate 1 Invert On 81–85 Plate 2 Invert Off 86–90 Plate 2 Invert On 91–95 Beam 1 Invert Off 96–100 Beam 1 Invert On 101–105 Beam 2 Invert Off 106–110 Beam 2 Invert On 111–115 Plate Swap On 116–120 Plate Swap Off 121–125 Beam Swap On 126–130 Beam Swap Off 131–140 No Function 141–150 FX Pattern Priority 151–155 Color Mix HTP On 156–160 Color Mix HTP Off 161–170 Color Priority 171–255 No Function

30Ch Mode

30 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 Min 127–254 Home 255–255 Max
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–0 Min 1–254 Min > Max 255–255 Max
4	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
5	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

30Ch Mode (continued)

Ch	Function	Default	DMX values
6	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
7	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
8	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
9	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
10	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
11	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
12	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
13	Effect	0	0–5 Open 6–6 Slow 7–41 Slow > Fast 42–42 Fast 43–43 Slow 44–84 Slow > Fast 85–85 Fast 86–86 Slow 87–127 Slow > Fast 128–128 Fast 129–129 Slow 130–170 Slow > Fast 171–171 Fast 172–172 Slow 173–213 Slow > Fast 214–214 Fast 215–215 Slow 216–254 Slow > Fast 255–255 Fast

30Ch Mode (continued)

Ch	Function	Default	DMX values
14	Color Macro1	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–6 White 4200K - CTC (wheel slot 3) 7–8 White 5600K - CTC (wheel slot 4) 9–10 White 8000K - CTC (wheel slot 5) 11–11 Blue (wheel slot 6) 12–48 +Green (wheel slot 7) 49–49 Cyan (wheel slot 8) 50–86 -Blue (wheel slot 9) 87–89 Green (wheel slot 10) 90–124 +Red (wheel slot 11) 125–126 Yellow (wheel slot 12) 127–162 -Green (wheel slot 13) 163–163 Red (wheel slot 14) 164–200 +Blue (wheel slot 15) 201–201 Magenta (wheel slot 16) 202–238 -Red (wheel slot 17) 239–239 Blue (wheel slot 6) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
15	Foreground Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
16	Color Macro2	0	0–0 Open (wheel slot 1) 1–2 White 2700K - CTC (wheel slot 1) 3–4 White 3200K - CTC (wheel slot 2) 5–6 White 4200K - CTC (wheel slot 3) 7–8 White 5600K - CTC (wheel slot 4) 9–10 White 8000K - CTC (wheel slot 5) 11–11 Blue (wheel slot 6) 12–48 +Green (wheel slot 7) 49–49 Cyan (wheel slot 8) 50–86 -Blue (wheel slot 9) 87–89 Green (wheel slot 10) 90–124 +Red (wheel slot 11) 125–126 Yellow (wheel slot 12) 127–162 -Green (wheel slot 13) 163–163 Red (wheel slot 14) 164–200 +Blue (wheel slot 15) 201–201 Magenta (wheel slot 16) 202–238 -Red (wheel slot 17) 239–239 Blue (wheel slot 6) 240–240 Fast 241–246 Fast > Slow 247–247 Slow 248–248 Fast 249–254 Fast > Slow 255–255 Slow
17	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

30Ch Mode (continued)

Ch	Function	Default	DMX values
18	Effect 2	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

30Ch Mode (continued)

Ch	Function	Default	DMX values
19	Effect Speed 2	0	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
20	Effects2Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max

30Ch Mode (continued)

Ch	Function	Default	DMX values
21	Effect 3	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

30Ch Mode (continued)

Ch	Function	Default	DMX values
22	Effect Speed 3	0	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
23	Effects3Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max

30Ch Mode (continued)

Ch	Function	Default	DMX values
24	Effect 2	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

30Ch Mode (continued)

Ch	Function	Default	DMX values
25	Effect Speed 2	0	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
26	Effects2Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max

30Ch Mode (continued)

Ch	Function	Default	DMX values
27	Effect 3	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

30Ch Mode (continued)

Ch	Function	Default	DMX values
28	Effect Speed 3	0	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
29	Effects3Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max
30	Control1	0	0–5 No Feature 6–10 Dimmer Off - Mode 11–15 Dimmer 1 - Mode 16–20 Dimmer 2 - Mode 21–25 Dimmer 3 - Mode 26–30 600Hz 31–35 1200Hz 36–40 2000Hz 41–45 4000Hz 46–50 6000Hz 51–55 25kHz 56–60 Auto (Fan Mode) 61–65 On (Fan Mode) 66–70 Tilt Reset 71–75 Plate 1 Invert Off 76–80 Plate 1 Invert On 81–85 Plate 2 Invert Off 86–90 Plate 2 Invert On 91–95 Beam 1 Invert Off 96–100 Beam 1 Invert On 101–105 Beam 2 Invert Off 106–110 Beam 2 Invert On 111–115 Plate Swap On 116–120 Plate Swap Off 121–125 Beam Swap On 126–130 Beam Swap Off 131–140 No Function 141–150 FX Pattern Priority 151–155 Color Mix HTP On 156–160 Color Mix HTP Off 161–170 Color Priority 171–255 No Function

47Ch Mode

47 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 Min 127–254 Home 255–255 Max
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–0 Min 1–254 Min > Max 255–255 Max
4	Dimmer	255	0–0 Min 1–254 Min > Max 255–255 Max
5	Dimmer	255	0–0 Min 1–254 Min > Max 255–255 Max

47Ch Mode (continued)

Ch	Function	Default	DMX values
6	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
7	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
8	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
9	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
10	Effect	0	0–5 Normal Alignment 6–124 Plate 1 > 2 Invert 125–130 Plate 1 Invert: Plate 2 Normal 131–249 Plate 1 Normal: Plate 2 Invert 250–255 No Function
11	Effect	0	0–5 Normal Alignment 6–124 Plate 1 > 2 Invert 125–130 Plate 1 Invert: Plate 2 Normal 131–249 Plate 1 Normal: Plate 2 Invert 250–255 No Function
12	Red	255	
13	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
14	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
15	Red	255	
16	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
17	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
18	Red	255	
19	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
20	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
21	Red	255	
22	Green	255	0–0 Min 1–254 Min > Max 255–255 Max

47Ch Mode (continued)

Ch	Function	Default	DMX values
23	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
24	Red	255	
25	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
26	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
27	Red	255	
28	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
29	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
30	Red	255	
31	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
32	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
33	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
34	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
35	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
36	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
37	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
38	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
39	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
40	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
41	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
42	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

47Ch Mode (continued)

Ch	Function	Default	DMX values
43	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
44	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
45	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
46	Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max
47	Control1	0	0–5 No Feature 6–10 Dimmer Off - Mode 11–15 Dimmer 1 - Mode 16–20 Dimmer 2 - Mode 21–25 Dimmer 3 - Mode 26–30 600Hz 31–35 1200Hz 36–40 2000Hz 41–45 4000Hz 46–50 6000Hz 51–55 25kHz 56–60 Auto (Fan Mode) 61–65 On (Fan Mode) 66–70 Tilt Reset 71–75 Plate 1 Invert Off 76–80 Plate 1 Invert On 81–85 Plate 2 Invert Off 86–90 Plate 2 Invert On 91–95 Beam 1 Invert Off 96–100 Beam 1 Invert On 101–105 Beam 2 Invert Off 106–110 Beam 2 Invert On 111–115 Plate Swap On 116–120 Plate Swap Off 121–125 Beam Swap On 126–130 Beam Swap Off 131–140 No Function 141–150 FX Pattern Priority 151–155 Color Mix HTP On 156–160 Color Mix HTP Off 161–170 Color Priority 171–255 No Function

68Ch Mode

68 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	
4	Strobe Duration	0	
5	Strobe Rate	255	

68Ch Mode (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	0	0–36 FX OFF 37–40 RAMP UP 41–44 RAMP UP - RANDOM 45–48 RAMP DOWN 49–52 RAMP DOWN - RANDOM 53–56 RAMP UP/DOWN 57–60 RAMP UP /DOWN - RANDOM 61–64 RANDOM WHITE 65–68 RANDOM WHITE SINGLE PIXEL 69–72 LIGHTING 73–76 SPIKES 77–179 No Feature 180–183 DOUBLE FLASH 184–187 DOUBLE FLASH RANDOM 188–191 DOUBLE FLASH BEAM COLOR 192–195 DOUBLE FLASH BEAM COLOR RANDOM 196–199 DOUBLE FLASH COLOR BEAM 200–203 DOUBLE FLASH COLOR BEAM RANDOM 204–207 TRIPLE FLASH 208–211 TRIPLE FLASH RANDOM 212–215 TRIPLE FLASH B-C-B 216–219 TRIPLE FLASH B-C-B RANDOM 220–223 TRIPLE FLASH C-B-C 224–227 TRIPLE FLASH C-B-C RANDOM 228–231 QUAD FLASH 232–235 QUAD FLASH RANDOM 236–239 QUAD FLASH B-C-B-C 240–243 QUAD FLASH B-C-B-C RANDOM 244–247 QUAD FLASH C-B-C-B 248–251 QUAD FLASH C-B-C-B RANDOM 252–255 No Feature
7	Control1	1	
8	Reserved 8	0	
9	Strobe Duration	0	
10	Strobe Rate	255	

68Ch Mode (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	0	0–0 FX Off 1–1 10 - Degree 2–2 20 - Degree 3–3 30 - Degree 4–4 40 - Degree 5–5 50 - Degree 6–6 60 - Degree 7–7 70 - Degree 8–8 80 - Degree 9–9 90 - Degree 10–10 100 - Degree 11–11 110 - Degree 12–12 120 - Degree 13–13 130 - Degree 14–14 140 - Degree 15–15 150 - Degree 16–16 160 - Degree 17–17 170 - Degree 18–18 180 - Degree 19–19 190 - Degree 20–20 200 - Degree 21–21 210 - Degree 22–22 220 - Degree 23–23 230 - Degree 24–24 240 - Degree 25–25 250 - Degree 26–26 260 - Degree 27–27 270 - Degree 28–28 280 - Degree 29–29 290 - Degree 30–30 300 - Degree 31–31 310 - Degree 32–32 320 - Degree 33–33 330 - Degree 34–34 340 - Degree 35–35 350 - Degree 36–36 360 - Degree 37–40 RAMP UP 41–44 RAMP UP - RANDOM 45–48 RAMP DOWN 49–52 RAMP DOWN - RANDOM 53–56 RAMP UP/DOWN 57–60 RAMP UP /DOWN - RANDOM 61–64 RANDOM WHITE 65–68 RANDOM WHITE SINGLE PIXEL 69–72 LIGHTING 73–76 SPIKES 77–179 No Feature 180–183 DOUBLE FLASH 184–187 DOUBLE FLASH RANDOM 188–191 DOUBLE FLASH BEAM COLOR 192–195 DOUBLE FLASH BEAM COLOR RANDOM 196–199 DOUBLE FLASH COLOR BEAM 200–203 DOUBLE FLASH COLOR BEAM RANDOM 204–207 TRIPLE FLASH 208–211 TRIPLE FLASH RANDOM 212–215 TRIPLE FLASH B-C-B 216–219 TRIPLE FLASH B-C-B RANDOM 220–223 TRIPLE FLASH C-B-C 224–227 TRIPLE FLASH C-B-C RANDOM 228–231 QUAD FLASH 232–235 QUAD FLASH RANDOM 236–239 QUAD FLASH B-C-B-C 240–243 QUAD FLASH B-C-B-C RANDOM

68Ch Mode (continued)

Ch	Function	Default	DMX values
12	Red	255	
13	Green	255	
14	Blue	255	
15	Effects1Fade	0	
16	Effect Speed	0	

68Ch Mode (continued)

Ch	Function	Default	DMX values
17	Effect	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

68Ch Mode (continued)

Ch	Function	Default	DMX values
18	Effect Speed	0	

68Ch Mode (continued)

Ch	Function	Default	DMX values
19	Effect	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

68Ch Mode (continued)

Ch	Function	Default	DMX values
20	F XDimmer	0	
21	Red	255	
22	Green	255	
23	Blue	255	
24	Red	255	
25	Green	255	
26	Blue	255	
27	Red	255	
28	Green	255	
29	Blue	255	
30	Red	255	
31	Green	255	
32	Blue	255	
33	Red	255	
34	Green	255	
35	Blue	255	
36	Red	255	
37	Green	255	
38	Blue	255	
39	Red	255	
40	Green	255	
41	Blue	255	
42	Red	255	
43	Green	255	
44	Blue	255	
45	Red	255	
46	Green	255	
47	Blue	255	
48	Red	255	
49	Green	255	
50	Blue	255	
51	Red	255	
52	Green	255	
53	Blue	255	
54	Red	255	
55	Green	255	
56	Blue	255	
57	Dimmer	0	
58	Dimmer	0	
59	Dimmer	0	
60	Dimmer	0	
61	Dimmer	0	
62	Dimmer	0	
63	Dimmer	0	
64	Dimmer	0	

68Ch Mode (continued)

Ch	Function	Default	DMX values
65	Dimmer	0	
66	Dimmer	0	
67	Dimmer	0	
68	Dimmer	0	

74Ch Mode

74 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	
4	Shutter / Strobe	0	0–9 Shutter Open 10–10 STROBE · Slow 0.1 Hz 11–78 STROBE · Slow > Fast 0.533–29.6 Hz 79–79 STROBE · Fast 30 Hz 80–80 STROBE PULSE RANDOM · Slow 0.1 Hz 81–148 STROBE PULSE RANDOM · Slow > Fast 0.533–29.6 Hz 149–149 STROBE PULSE RANDOM · Fast 30 Hz 150–150 STROBE RANDOM · Slow 0.1 Hz 151–218 STROBE RANDOM · Slow > Fast 0.533–29.6 Hz 219–219 STROBE RANDOM · Fast 30 Hz 220–255 Shutter Open
5	Red	255	
6	Green	255	
7	Blue	255	
8	Red	255	
9	Green	255	
10	Blue	255	
11	Red	255	
12	Green	255	
13	Blue	255	
14	Red	255	
15	Green	255	
16	Blue	255	
17	Red	255	
18	Green	255	
19	Blue	255	
20	Red	255	
21	Green	255	
22	Blue	255	
23	Red	255	
24	Green	255	
25	Blue	255	
26	Red	255	
27	Green	255	
28	Blue	255	
29	Red	255	
30	Green	255	

74Ch Mode (continued)

Ch	Function	Default	DMX values
31	Blue	255	
32	Red	255	
33	Green	255	
34	Blue	255	
35	Red	255	
36	Green	255	
37	Blue	255	
38	Red	255	
39	Green	255	
40	Blue	255	
41	Red	255	
42	Green	255	
43	Blue	255	
44	Red	255	
45	Green	255	
46	Blue	255	
47	Dimmer	0	
48	Dimmer	0	
49	Dimmer	0	
50	Dimmer	0	
51	Dimmer	0	
52	Dimmer	0	
53	Dimmer	0	
54	Dimmer	0	
55	Dimmer	0	
56	Dimmer	0	
57	Dimmer	0	
58	Dimmer	0	
59	Dimmer	0	
60	Dimmer	0	
61	Dimmer	0	
62	Dimmer	0	
63	Dimmer	0	
64	Dimmer	0	
65	Dimmer	0	
66	Dimmer	0	
67	Dimmer	0	
68	Dimmer	0	
69	Dimmer	0	
70	Dimmer	0	
71	Dimmer	0	
72	Dimmer	0	
73	Dimmer	0	
74	Dimmer	0	

97Ch Mode

97 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	
4	Dimmer	255	
5	Dimmer	255	
6	Strobe Duration	0	
7	Strobe Rate	0	
8	Strobe Duration	0	
9	Strobe Rate	0	
10	Red	255	
11	Green	255	
12	Blue	255	
13	Red	255	
14	Green	255	
15	Blue	255	
16	Red	255	
17	Green	255	
18	Blue	255	
19	Red	255	
20	Green	255	
21	Blue	255	
22	Red	255	
23	Green	255	
24	Blue	255	
25	Red	255	
26	Green	255	
27	Blue	255	
28	Red	255	
29	Green	255	
30	Blue	255	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Red	255	
35	Green	255	
36	Blue	255	
37	Red	255	
38	Green	255	
39	Blue	255	
40	Red	255	
41	Green	255	
42	Blue	255	
43	Red	255	
44	Green	255	
45	Blue	255	

97Ch Mode (continued)

Ch	Function	Default	DMX values
46	Red	255	
47	Green	255	
48	Blue	255	
49	Red	255	
50	Green	255	
51	Blue	255	
52	Dimmer	0	
53	Dimmer	0	
54	Dimmer	0	
55	Dimmer	0	
56	Dimmer	0	
57	Dimmer	0	
58	Dimmer	0	
59	Dimmer	0	
60	Dimmer	0	
61	Dimmer	0	
62	Dimmer	0	
63	Dimmer	0	
64	Dimmer	0	
65	Dimmer	0	
66	Dimmer	0	
67	Dimmer	0	
68	Dimmer	0	
69	Dimmer	0	
70	Dimmer	0	
71	Dimmer	0	
72	Dimmer	0	
73	Dimmer	0	
74	Dimmer	0	
75	Dimmer	0	
76	Dimmer	0	
77	Dimmer	0	
78	Dimmer	0	
79	Dimmer	0	

97Ch Mode (continued)

Ch	Function	Default	DMX values
80	Effect	0	0–5 Open 6–6 Slow 7–41 Slow > Fast 42–42 Fast 43–43 Slow 44–84 Slow > Fast 85–85 Fast 86–86 Slow 87–127 Slow > Fast 128–128 Fast 129–129 Slow 130–170 Slow > Fast 171–171 Fast 172–172 Slow 173–213 Slow > Fast 214–214 Fast 215–215 Slow 216–254 Slow > Fast 255–255 Fast
81	Color Macro1	0	
82	Foreground Dimmer	0	
83	Color Macro2	0	
84	Background Dimmer	0	

97Ch Mode (continued)

Ch	Function	Default	DMX values
85	Effect 2	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

97Ch Mode (continued)

Ch	Function	Default	DMX values
86	Effect Speed 2	0	
87	Effects2Fade	0	

97Ch Mode (continued)

Ch	Function	Default	DMX values
88	Effect 3	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

97Ch Mode (continued)

Ch	Function	Default	DMX values
89	Effect Speed 3	0	
90	Effects3Fade	0	

97Ch Mode (continued)

Ch	Function	Default	DMX values
91	Effect 2	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

97Ch Mode (continued)

Ch	Function	Default	DMX values
92	Effect Speed 2	0	
93	Effects2Fade	0	

97Ch Mode (continued)

Ch	Function	Default	DMX values
94	Effect 3	0	0–2 Open 3–3 Plate Pattern 1 - Effect 4–4 Plate Pattern 2 - Effect 5–5 Plate Pattern 3 - Effect 6–6 Plate Pattern 4 - Effect 7–7 Plate Pattern 5 - Effect 8–8 Plate Pattern 6 - Effect 9–9 Plate Pattern 7 - Effect 10–10 Plate Pattern 8 - Effect 11–11 Plate Pattern 9 - Effect 12–12 Plate Pattern 10 - Effect 13–13 Plate Pattern 11 - Effect 14–14 Plate Pattern 12 - Effect 15–15 Plate Pattern 13 - Effect 16–16 Plate Pattern 14 - Effect 17–17 Plate Pattern 15 - Effect 18–18 Plate Pattern 16 - Effect 19–19 Plate Pattern 17 - Effect 20–20 Plate Pattern 18 - Effect 21–21 Plate Pattern 19 - Effect 22–22 Plate Pattern 20 - Effect 23–23 Plate Pattern 21 - Effect 24–24 Plate Pattern 22 - Effect 25–25 Plate Pattern 23 - Effect 26–26 Plate Pattern 24 - Effect 27–27 Plate Pattern 25 - Effect 28–28 Plate Pattern 26 - Effect 29–29 Plate Pattern 27 - Effect 30–30 Plate Pattern 28 - Effect 31–31 Plate Pattern 29 - Effect 32–32 Plate Pattern 30 - Effect 33–33 Plate Pattern 31 - Effect 34–34 Plate Pattern 32 - Effect 35–35 Plate Pattern 33 - Effect 36–36 Plate Pattern 34 - Effect 37–37 Plate Pattern 35 - Effect 38–38 Plate Pattern 36 - Effect 39–39 Plate Pattern 37 - Effect 40–40 Plate Pattern 38 - Effect 41–41 Plate Pattern 39 - Effect 42–42 Plate Pattern 40 - Effect 43–43 Plate Pattern 41 - Effect 44–44 Plate Pattern 42 - Effect 45–45 Plate Pattern 43 - Effect 46–46 Plate Pattern 44 - Effect 47–47 Plate Pattern 45 - Effect 48–48 Plate Pattern 46 - Effect 49–49 Plate Pattern 47 - Effect 50–50 Plate Pattern 48 - Effect 51–51 Plate Pattern 49 - Effect 52–52 Plate Pattern 50 - Effect 53–53 Plate Pattern 51 - Effect 54–54 Plate Pattern 52 - Effect 55–55 Plate Pattern 53 - Effect 56–56 Plate Pattern 54 - Effect 57–57 Plate Pattern 55 - Effect 58–58 Plate Pattern 56 - Effect 59–59 Plate Pattern 57 - Effect 60–60 Plate Pattern 58 - Effect 61–61 Plate Pattern 59 - Effect 62–62 Plate Pattern 60 - Effect 63–63 Plate Pattern 61 - Effect 64–64 Plate Pattern 62 - Effect 65–65 Plate Pattern 63 - Effect

97Ch Mode (continued)

Ch	Function	Default	DMX values
95	Effect Speed 3	0	
96	Effects3Fade	0	
97	Control1	0	