Starway

Quasar



Manufacturer	**Starway**
Type	**Moving head**
DMX modes	**10**
DMX footprint	**8, 11, 13, 24, 28, 30, 34, 47, 97 channels**
Beam angle	**95-123°**
Tilt range	**180°**
Size (W × H × D)	**393 × 123 × 191 mm**
GDTF fixture type	**BF3DF115-5AAA-44ED-B8B3-E…**

Controls

RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer · 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
28Ch Mode	28 ch
30Ch Mode	30 ch
34Ch Mode	34 ch
47Ch Mode	47 ch
74Ch Mode	47 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	0	0–254 Zero 255–255 Full
4	Shutter / Strobe	0	0–9 Shutter Open 10–10 Shutter1Strobe · Slow 11–78 Shutter1Strobe · Slow > Fast 79–79 Shutter1Strobe · Fast 80–80 Strobe Random Pulse · Slow 81–148 Strobe Random Pulse · Slow > Fast 149–149 Strobe Random Pulse · Fast 150–150 Strobe Random · Slow 151–218 Strobe Random · Slow > Fast 219–219 Strobe Random · Fast 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	0–254 Zero 255–255 Full

11Ch Mode

11 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–254 Zero 255–255 Full
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
7	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open

11Ch Mode (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Green	255	
10	Blue	255	
11	Dimmer	0	0–254 zero 255–255 full

13Ch Mode

13 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	0	0–254 Zero 255–255 Full
4	Dimmer	0	0–254 Zero 255–255 Full
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	
10	Green	255	
11	Blue	255	

13Ch Mode (continued)

Ch	Function	Default	DMX values
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 Control1 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	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–254 Zero 255–255 Full

24Ch Mode (continued)

Ch	Function	Default	DMX values
4	Dimmer	0	0–254 Zero 255–255 Full
5	Dimmer	0	0–254 Zero 255–255 Full
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	
11	Green	255	
12	Blue	255	
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

24Ch Mode (continued)

Ch	Function	Default	DMX values
14	Color Macro1	0	0–0 Open 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 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	128	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 Control1 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

28Ch Mode

28 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–254 Zero 255–255 Full
4	Dimmer Fine	255	Fine byte of Dimmer
5	Dimmer	0	0–254 Zero 255–255 Full
6	Dimmer Fine	0	Fine byte of Dimmer
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

28Ch Mode (continued)

Ch	Function	Default	DMX values
8	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
9	Reserved 9	0	

28Ch Mode (continued)

Ch	Function	Default	DMX values
10	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

28Ch Mode (continued)

Ch	Function	Default	DMX values
11	Effect Speed 2	0	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
12	Effects2Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max
13	Red	255	
14	Red Fine	255	Fine byte of Red
15	Green	255	
16	Green Fine	255	Fine byte of Green
17	Blue	255	
18	Blue Fine	255	Fine byte of Blue
19	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
20	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
21	Color Macro1	0	0–0 Open 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
22	Foreground Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

28Ch Mode (continued)

Ch	Function	Default	DMX values
23	Color Macro2	0	0–0 Open 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
24	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

28Ch Mode (continued)

Ch	Function	Default	DMX values
25	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

28Ch Mode (continued)

Ch	Function	Default	DMX values
26	Effect Speed 2	128	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
27	Effects2Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max
28	Control1	0	0–5 Control1 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	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–254 Zero 255–255 Full
4	Dimmer	0	0–254 Zero 255–255 Full
5	Dimmer	0	0–254 Zero 255–255 Full
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

30Ch 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	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	
11	Green	255	
12	Blue	255	
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 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 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	128	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	128	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 Control1 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

34Ch Mode

34 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–254 Zero 255–255 Full
4	Dimmer Fine	255	Fine byte of Dimmer
5	Dimmer	0	0–254 Zero 255–255 Full
6	Dimmer Fine	0	Fine byte of Dimmer
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

34Ch Mode (continued)

Ch	Function	Default	DMX values
8	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
9	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

34Ch Mode (continued)

Ch	Function	Default	DMX values
10	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

34Ch Mode (continued)

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

34Ch Mode (continued)

Ch	Function	Default	DMX values
13	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

34Ch Mode (continued)

Ch	Function	Default	DMX values
14	Effect Speed 3	0	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
15	Effects3Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max
16	Red	255	
17	Red Fine	255	Fine byte of Red
18	Green	255	
19	Green Fine	255	Fine byte of Green
20	Blue	255	
21	Blue Fine	255	Fine byte of Blue
22	Strobe Duration	0	0–9 Classic Shutter Mode 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 No Function - Strobe Off
23	Strobe Rate	0	0–9 Open 10–10 Slow 11–249 Slow > Fast 250–250 Fast 251–255 Open
24	Color Macro1	0	0–0 Open 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
25	Foreground Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

34Ch Mode (continued)

Ch	Function	Default	DMX values
26	Color Macro2	0	0–0 Open 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
27	Background Dimmer	0	0–0 Min 1–254 Min > Max 255–255 Max

34Ch Mode (continued)

Ch	Function	Default	DMX values
28	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

34Ch Mode (continued)

Ch	Function	Default	DMX values
29	Effect Speed 2	128	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
30	Effects2Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max

34Ch Mode (continued)

Ch	Function	Default	DMX values
31	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

34Ch Mode (continued)

Ch	Function	Default	DMX values
32	Effect Speed 3	128	0–5 No Function 6–124 Fast > Slow 125–130 Stop 131–249 Slow > Fast 250–255 No Function
33	Effects3Fade	0	0–2 Snap From Pixel > Pixel 3–3 Min 4–254 Min > Max 255–255 Max
34	Control1	0	0–5 Control1 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	
2	Tilt Fine	255	Fine byte of Tilt
3	Dimmer	255	0–254 Zero 255–255 Full
4	Dimmer	0	0–254 Zero 255–255 Full
5	Dimmer	0	0–254 Zero 255–255 Full
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

47Ch 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	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	L EDZone Mode	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	L EDZone Mode	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	0–0 Min 1–254 Min > Max 255–255 Max
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	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	

47Ch Mode (continued)

Ch	Function	Default	DMX values
33	Dimmer	255	0–254 Zero 255–255 Full
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Control1	0	0–5 CONTROL 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

74Ch 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

74Ch Mode (continued)

Ch	Function	Default	DMX values
3	Dimmer	0	0–254 Zero 255–255 Full
4	Shutter / Strobe	0	0–9 Shutter Open 10–10 Shutter1Strobe · Slow 11–78 Shutter1Strobe · Slow > Fast 79–79 Shutter1Strobe · Fast 80–80 Strobe Random Pulse · Slow 81–148 Strobe Random Pulse · Slow > Fast 149–149 Strobe Random Pulse · Fast 150–150 Strobe Random · Slow 151–218 Strobe Random · Slow > Fast 219–219 Strobe Random · Fast 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	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	

74Ch Mode (continued)

Ch	Function	Default	DMX values
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Dimmer	0	0–254 Zero 255–255 Full

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	0	
5	Dimmer	0	
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	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	

97Ch Mode (continued)

Ch	Function	Default	DMX values
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Dimmer	255	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	

97Ch Mode (continued)

Ch	Function	Default	DMX values
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
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	128	
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	128	
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	