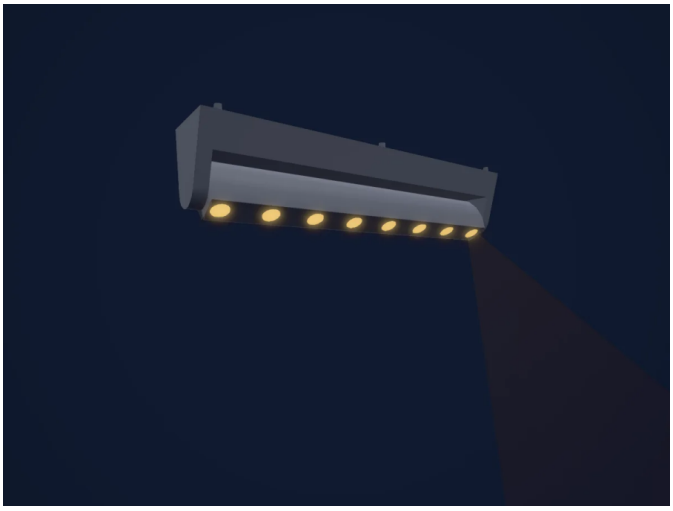
Robe Lighting

Robin CycFX 8



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**7**
DMX footprint	**14, 21, 22, 45, 53, 61 channels**
Beam angle	**8-67°**
Tilt range	**270°**
Heads / cells	**10**
Size (W × H × D)	**940 × 125 × 95 mm**
GDTF fixture type	**474AD409-CDAA-4999-B093-64…**

Controls

Zoom · Colour temperature · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

Mode 1 - 8 bit	14 ch
Mode 2 - 16bit	21 ch
Mode 5 - Pixel dimmers without color	22 ch
Mode 3 - Pixels RGB	45 ch
Mode 4 - Pixels RGB + dimmer	53 ch
Mode 6 - Pixels RGBW	53 ch
Mode 7 - Pixels RGBW + dimmer	61 ch

Mode 1 - 8 bit

14 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Position MSpeed	0	0–0 Standard mode 1–254 Max speed time 255–255 Min speed time
3	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW colour mixing mode 40–49 CMY colour mixing mode 50–59 P/T speed mode 60–69 P/T time mode 70–79 Blackout while P/T moving: ON 80–89 Blackout while P/T moving: OFF 90–99 Silent zoom ON 100–109 Silent zoom OFF 110–119 White counting ON 120–129 White counting OFF 130–139 NoFeature 2 140–149 P/T reset 150–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
4	Red	255	
5	Green	255	
6	Blue	255	
7	White	255	
8	C TO	0	0–0 No function 1–255 Colour temperature correction

Mode 1 - 8 bit (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (tungsten emulation) (wheel slot 4) 4–5 White 3200 K (wheel slot 5) 6–6 White 3200 K (tungsten emulation) (wheel slot 7) 7–9 White 4200 K (wheel slot 8) 10–12 White 5600 K (wheel slot 11) 13–13 White 8000 K (wheel slot 14) 14–14 White 8000 K (wheel slot 15) 15–15 White 8000 K (wheel slot 16) 16–16 Blue (wheel slot 17) 17–17 Blue + Green >> 00 (wheel slot 18) 18–18 Blue + Green >> 01 (wheel slot 19) 19–19 Blue + Green >> 02 (wheel slot 20) 20–20 Blue + Green >> 03 (wheel slot 21) 21–21 Blue + Green >> 04 (wheel slot 22) 22–22 Blue + Green >> 05 (wheel slot 23) 23–23 Blue + Green >> 06 (wheel slot 24) 24–24 Blue + Green >> 07 (wheel slot 25) 25–25 Blue + Green >> 08 (wheel slot 26) 26–26 Blue + Green >> 09 (wheel slot 27) 27–27 Blue + Green >> 10 (wheel slot 28) 28–28 Blue + Green >> 11 (wheel slot 29) 29–29 Blue + Green >> 12 (wheel slot 30) 30–30 Blue + Green >> 13 (wheel slot 31) 31–31 Blue + Green >> 14 (wheel slot 32) 32–32 Blue + Green >> 15 (wheel slot 33) 33–33 Blue + Green >> 16 (wheel slot 34) 34–34 Blue + Green >> 17 (wheel slot 35) 35–35 Blue + Green >> 18 (wheel slot 36) 36–36 Blue + Green >> 19 (wheel slot 37) 37–37 Blue + Green >> 20 (wheel slot 38) 38–38 Blue + Green >> 21 (wheel slot 39) 39–39 Blue + Green >> 22 (wheel slot 40) 40–40 Blue + Green >> 23 (wheel slot 41) 41–41 Blue + Green >> 24 (wheel slot 42) 42–42 Blue + Green >> 25 (wheel slot 43) 43–43 Blue + Green >> 26 (wheel slot 44) 44–44 Blue + Green >> 27 (wheel slot 45) 45–45 Blue + Green >> 28 (wheel slot 46) 46–46 Blue + Green >> 29 (wheel slot 47) 47–47 Blue + Green >> 30 (wheel slot 48) 48–48 Blue + Green >> 31 (wheel slot 49) 49–49 Blue + Green >> 32 (wheel slot 50) 50–50 Blue + Green >> 33 (wheel slot 51) 51–51 Blue + Green >> 34 (wheel slot 52) 52–52 Blue + Green >> 35 (wheel slot 53) 53–53 Blue + Green >> 36 (wheel slot 54) 54–54 Blue + Green >> 37 (wheel slot 55) 55–55 Blue + Green >> 38 (wheel slot 56) 56–56 LightBlue (wheel slot 57) 57–57 Green + Blue << 00 (wheel slot 58) 58–58 Green + Blue << 01 (wheel slot 59) 59–59 Green + Blue << 02 (wheel slot 60) 60–60 Green + Blue << 03 (wheel slot 61) 61–61 Green + Blue << 04 (wheel slot 62) 62–62 Green + Blue << 05 (wheel slot 63) 63–63 Green + Blue << 06 (wheel slot 64) 64–64 Green + Blue << 07 (wheel slot 65) 65–65 Green + Blue << 08 (wheel slot 66) 66–66 Green + Blue << 09 (wheel slot 67) 67–67 Green + Blue << 10 (wheel slot 68) 68–68 Green + Blue << 11 (wheel slot 69) 69–69 Green + Blue << 12 (wheel slot 70)

Mode 1 - 8 bit (continued)

Ch	Function	Default	DMX values
10	Effect	0	0–2 No function 3–4 Effect 1 5–6 Effect 2 7–8 Effect 3 9–10 Effect 4 11–12 Effect 5 13–14 Effect 6 15–16 Effect 7 17–18 Effect 8 19–20 Effect 9 21–22 Effect 10 23–24 Effect 11 25–26 Effect 12 27–28 Effect 13 29–30 Effect 14 31–32 Effect 15 33–34 Effect 16 35–36 Effect 17 37–38 Effect 18 39–40 Effect 19 41–42 Effect 20 43–44 Effect 21 45–46 Effect 22 47–48 Effect 23 49–50 Effect 24 51–52 Effect 25 53–54 Effect 26 55–56 Effect 27 57–58 Effect 28 59–60 Effect 29 61–62 Effect 30 63–64 Effect 31 65–66 Effect 32 67–68 Effect 33 69–70 Effect 34 71–72 Effect 35 73–74 Effect 36 75–76 Effect 37 77–78 Effect 38 79–80 Effect 39 81–82 Effect 40 83–84 Effect 41 85–86 Effect 42 87–88 Effect 43 89–90 Effect 44 91–92 Effect 45 93–94 Effect 46 95–96 Effect 47 97–98 Effect 48 99–100 Effect 49 101–102 Effect 50 103–104 Effect 51 105–106 Effect 52 107–108 Effect 53 109–110 Effect 54 111–112 Effect 55 113–114 Effect 56 115–116 Effect 57 117–118 Effect 58 119–120 Effect 59 121–122 Effect 60 123–124 Effect 61 125–126 Effect 62 127–128 Effect 63

Mode 1 - 8 bit (continued)

Ch	Function	Default	DMX values
11	Effect Speed	0	0–63 Speed min -> max without fade 64–127 Speed max -> min without fade 128–191 Speed min -> max with fade 192–255 Speed max -> min with fade
12	Zoom	128	0–254 narrow 255–255 wide
13	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–90 Strobe · Slow to fast - Slow 0.303–17 Hz 91–95 Strobe · Slow to fast - Fast 17.6–20.2 Hz 96–127 Shutter open 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–191 Shutter open 192–223 Random strobe effect slow to fast - Slow 224–255 Shutter open
14	Dimmer	0	0–254 Closed 255–255 Open

Mode 2 - 16bit

21 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Position MSpeed	0	0–0 Standard mode 1–1 Max speed time 2–255 Speed/Time max to min
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW colour mixing mode 40–49 CMY colour mixing mode 50–59 P/T speed mode 60–69 P/T time mode 70–79 Blackout while P/T moving: ON 80–89 Blackout while P/T moving: OFF 90–99 Silent zoom ON 100–109 Silent zoom OFF 110–119 White counting ON 120–129 White counting OFF 130–139 NoFeature 2 140–149 P/T reset 150–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Blue	255	

Mode 2 - 16bit (continued)

Ch	Function	Default	DMX values
10	Blue Fine	255	Fine byte of Blue
11	White	255	
12	White Fine	255	Fine byte of White
13	C TO	0	0–0 No function 1–255 Colour temperature correction

Mode 2 - 16bit (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (tungsten emulation) (wheel slot 4) 4–5 White 3200 K (wheel slot 5) 6–6 White 3200 K (tungsten emulation) (wheel slot 7) 7–9 White 4200 K (wheel slot 8) 10–12 White 5600 K (wheel slot 11) 13–13 White 8000 K (wheel slot 14) 14–14 White 8000 K (wheel slot 15) 15–15 White 8000 K (wheel slot 16) 16–16 Blue (wheel slot 17) 17–17 Blue + Green >> 00 (wheel slot 18) 18–18 Blue + Green >> 01 (wheel slot 19) 19–19 Blue + Green >> 02 (wheel slot 20) 20–20 Blue + Green >> 03 (wheel slot 21) 21–21 Blue + Green >> 04 (wheel slot 22) 22–22 Blue + Green >> 05 (wheel slot 23) 23–23 Blue + Green >> 06 (wheel slot 24) 24–24 Blue + Green >> 07 (wheel slot 25) 25–25 Blue + Green >> 08 (wheel slot 26) 26–26 Blue + Green >> 09 (wheel slot 27) 27–27 Blue + Green >> 10 (wheel slot 28) 28–28 Blue + Green >> 11 (wheel slot 29) 29–29 Blue + Green >> 12 (wheel slot 30) 30–30 Blue + Green >> 13 (wheel slot 31) 31–31 Blue + Green >> 14 (wheel slot 32) 32–32 Blue + Green >> 15 (wheel slot 33) 33–33 Blue + Green >> 16 (wheel slot 34) 34–34 Blue + Green >> 17 (wheel slot 35) 35–35 Blue + Green >> 18 (wheel slot 36) 36–36 Blue + Green >> 19 (wheel slot 37) 37–37 Blue + Green >> 20 (wheel slot 38) 38–38 Blue + Green >> 21 (wheel slot 39) 39–39 Blue + Green >> 22 (wheel slot 40) 40–40 Blue + Green >> 23 (wheel slot 41) 41–41 Blue + Green >> 24 (wheel slot 42) 42–42 Blue + Green >> 25 (wheel slot 43) 43–43 Blue + Green >> 26 (wheel slot 44) 44–44 Blue + Green >> 27 (wheel slot 45) 45–45 Blue + Green >> 28 (wheel slot 46) 46–46 Blue + Green >> 29 (wheel slot 47) 47–47 Blue + Green >> 30 (wheel slot 48) 48–48 Blue + Green >> 31 (wheel slot 49) 49–49 Blue + Green >> 32 (wheel slot 50) 50–50 Blue + Green >> 33 (wheel slot 51) 51–51 Blue + Green >> 34 (wheel slot 52) 52–52 Blue + Green >> 35 (wheel slot 53) 53–53 Blue + Green >> 36 (wheel slot 54) 54–54 Blue + Green >> 37 (wheel slot 55) 55–55 Blue + Green >> 38 (wheel slot 56) 56–56 LightBlue (wheel slot 57) 57–57 Green + Blue << 00 (wheel slot 58) 58–58 Green + Blue << 01 (wheel slot 59) 59–59 Green + Blue << 02 (wheel slot 60) 60–60 Green + Blue << 03 (wheel slot 61) 61–61 Green + Blue << 04 (wheel slot 62) 62–62 Green + Blue << 05 (wheel slot 63) 63–63 Green + Blue << 06 (wheel slot 64) 64–64 Green + Blue << 07 (wheel slot 65) 65–65 Green + Blue << 08 (wheel slot 66) 66–66 Green + Blue << 09 (wheel slot 67) 67–67 Green + Blue << 10 (wheel slot 68) 68–68 Green + Blue << 11 (wheel slot 69) 69–69 Green + Blue << 12 (wheel slot 70)

Mode 2 - 16bit (continued)

Ch	Function	Default	DMX values
15	Effect	0	0–2 No function 3–4 Effect 1 5–6 Effect 2 7–8 Effect 3 9–10 Effect 4 11–12 Effect 5 13–14 Effect 6 15–16 Effect 7 17–18 Effect 8 19–20 Effect 9 21–22 Effect 10 23–24 Effect 11 25–26 Effect 12 27–28 Effect 13 29–30 Effect 14 31–32 Effect 15 33–34 Effect 16 35–36 Effect 17 37–38 Effect 18 39–40 Effect 19 41–42 Effect 20 43–44 Effect 21 45–46 Effect 22 47–48 Effect 23 49–50 Effect 24 51–52 Effect 25 53–54 Effect 26 55–56 Effect 27 57–58 Effect 28 59–60 Effect 29 61–62 Effect 30 63–64 Effect 31 65–66 Effect 32 67–68 Effect 33 69–70 Effect 34 71–72 Effect 35 73–74 Effect 36 75–76 Effect 37 77–78 Effect 38 79–80 Effect 39 81–82 Effect 40 83–84 Effect 41 85–86 Effect 42 87–88 Effect 43 89–90 Effect 44 91–92 Effect 45 93–94 Effect 46 95–96 Effect 47 97–98 Effect 48 99–100 Effect 49 101–102 Effect 50 103–104 Effect 51 105–106 Effect 52 107–108 Effect 53 109–110 Effect 54 111–112 Effect 55 113–114 Effect 56 115–116 Effect 57 117–118 Effect 58 119–120 Effect 59 121–122 Effect 60 123–124 Effect 61 125–126 Effect 62 127–128 Effect 63

Mode 2 - 16bit (continued)

Ch	Function	Default	DMX values
16	Effect Speed	0	0–63 Speed min -> max without fade 64–127 Speed max -> min without fade 128–191 Speed min -> max with fade 192–255 Speed max -> min with fade
17	Zoom	128	0–254 narrow 255–255 wide
18	Zoom Fine	0	Fine byte of Zoom
19	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–90 Strobe · Slow to fast - Slow 0.303–17 Hz 91–95 Strobe · Slow to fast - Fast 17.6–20.2 Hz 96–127 Shutter open 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–191 Shutter open 192–223 Random strobe effect slow to fast - Slow 224–255 Shutter open
20	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
21	Dimmer Fine	0	Fine byte of Dimmer

Mode 5 - Pixel dimmers without color

22 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Position MSpeed	0	0–0 Standard mode 1–1 Max speed time 2–255 Speed/Time max to min
3	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW colour mixing mode 40–49 CMY colour mixing mode 50–59 P/T speed mode 60–69 P/T time mode 70–79 Blackout while P/T moving: ON 80–89 Blackout while P/T moving: OFF 90–99 Silent zoom ON 100–109 Silent zoom OFF 110–119 White counting ON 120–129 White counting OFF 130–139 NoFeature 2 140–149 P/T reset 150–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
4	Red	255	
5	Green	255	
6	Blue	255	
7	White	255	

Mode 5 - Pixel dimmers without color (continued)

Ch	Function	Default	DMX values
8	C TO	0	0–0 No function 1–255 Colour temperature correction

Mode 5 - Pixel dimmers without color (continued)

Ch	Function	Default	DMX values
9	Color Wheel	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (tungsten emulation) (wheel slot 4) 4–5 White 3200 K (wheel slot 5) 6–6 White 3200 K (tungsten emulation) (wheel slot 7) 7–9 White 4200 K (wheel slot 8) 10–12 White 5600 K (wheel slot 11) 13–13 White 8000 K (wheel slot 14) 14–14 White 8000 K (wheel slot 15) 15–15 White 8000 K (wheel slot 16) 16–16 Blue (wheel slot 17) 17–17 Blue + Green >> 00 (wheel slot 18) 18–18 Blue + Green >> 01 (wheel slot 19) 19–19 Blue + Green >> 02 (wheel slot 20) 20–20 Blue + Green >> 03 (wheel slot 21) 21–21 Blue + Green >> 04 (wheel slot 22) 22–22 Blue + Green >> 05 (wheel slot 23) 23–23 Blue + Green >> 06 (wheel slot 24) 24–24 Blue + Green >> 07 (wheel slot 25) 25–25 Blue + Green >> 08 (wheel slot 26) 26–26 Blue + Green >> 09 (wheel slot 27) 27–27 Blue + Green >> 10 (wheel slot 28) 28–28 Blue + Green >> 11 (wheel slot 29) 29–29 Blue + Green >> 12 (wheel slot 30) 30–30 Blue + Green >> 13 (wheel slot 31) 31–31 Blue + Green >> 14 (wheel slot 32) 32–32 Blue + Green >> 15 (wheel slot 33) 33–33 Blue + Green >> 16 (wheel slot 34) 34–34 Blue + Green >> 17 (wheel slot 35) 35–35 Blue + Green >> 18 (wheel slot 36) 36–36 Blue + Green >> 19 (wheel slot 37) 37–37 Blue + Green >> 20 (wheel slot 38) 38–38 Blue + Green >> 21 (wheel slot 39) 39–39 Blue + Green >> 22 (wheel slot 40) 40–40 Blue + Green >> 23 (wheel slot 41) 41–41 Blue + Green >> 24 (wheel slot 42) 42–42 Blue + Green >> 25 (wheel slot 43) 43–43 Blue + Green >> 26 (wheel slot 44) 44–44 Blue + Green >> 27 (wheel slot 45) 45–45 Blue + Green >> 28 (wheel slot 46) 46–46 Blue + Green >> 29 (wheel slot 47) 47–47 Blue + Green >> 30 (wheel slot 48) 48–48 Blue + Green >> 31 (wheel slot 49) 49–49 Blue + Green >> 32 (wheel slot 50) 50–50 Blue + Green >> 33 (wheel slot 51) 51–51 Blue + Green >> 34 (wheel slot 52) 52–52 Blue + Green >> 35 (wheel slot 53) 53–53 Blue + Green >> 36 (wheel slot 54) 54–54 Blue + Green >> 37 (wheel slot 55) 55–55 Blue + Green >> 38 (wheel slot 56) 56–56 LightBlue (wheel slot 57) 57–57 Green + Blue << 00 (wheel slot 58) 58–58 Green + Blue << 01 (wheel slot 59) 59–59 Green + Blue << 02 (wheel slot 60) 60–60 Green + Blue << 03 (wheel slot 61) 61–61 Green + Blue << 04 (wheel slot 62) 62–62 Green + Blue << 05 (wheel slot 63) 63–63 Green + Blue << 06 (wheel slot 64) 64–64 Green + Blue << 07 (wheel slot 65) 65–65 Green + Blue << 08 (wheel slot 66) 66–66 Green + Blue << 09 (wheel slot 67) 67–67 Green + Blue << 10 (wheel slot 68) 68–68 Green + Blue << 11 (wheel slot 69) 69–69 Green + Blue << 12 (wheel slot 70)

Mode 5 - Pixel dimmers without color (continued)

Ch	Function	Default	DMX values
10	Effect	0	0–2 No function 3–4 Effect 1 5–6 Effect 2 7–8 Effect 3 9–10 Effect 4 11–12 Effect 5 13–14 Effect 6 15–16 Effect 7 17–18 Effect 8 19–20 Effect 9 21–22 Effect 10 23–24 Effect 11 25–26 Effect 12 27–28 Effect 13 29–30 Effect 14 31–32 Effect 15 33–34 Effect 16 35–36 Effect 17 37–38 Effect 18 39–40 Effect 19 41–42 Effect 20 43–44 Effect 21 45–46 Effect 22 47–48 Effect 23 49–50 Effect 24 51–52 Effect 25 53–54 Effect 26 55–56 Effect 27 57–58 Effect 28 59–60 Effect 29 61–62 Effect 30 63–64 Effect 31 65–66 Effect 32 67–68 Effect 33 69–70 Effect 34 71–72 Effect 35 73–74 Effect 36 75–76 Effect 37 77–78 Effect 38 79–80 Effect 39 81–82 Effect 40 83–84 Effect 41 85–86 Effect 42 87–88 Effect 43 89–90 Effect 44 91–92 Effect 45 93–94 Effect 46 95–96 Effect 47 97–98 Effect 48 99–100 Effect 49 101–102 Effect 50 103–104 Effect 51 105–106 Effect 52 107–108 Effect 53 109–110 Effect 54 111–112 Effect 55 113–114 Effect 56 115–116 Effect 57 117–118 Effect 58 119–120 Effect 59 121–122 Effect 60 123–124 Effect 61 125–126 Effect 62 127–128 Effect 63

Mode 5 - Pixel dimmers without color (continued)

Ch	Function	Default	DMX values
11	Effect Speed	0	0–63 Speed min -> max without fade 64–127 Speed max -> min without fade 128–191 Speed min -> max with fade 192–255 Speed max -> min with fade
12	Zoom	128	0–254 narrow 255–255 wide
13	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–90 Strobe · Slow to fast - Slow 0.303–17 Hz 91–95 Strobe · Slow to fast - Fast 17.6–20.2 Hz 96–127 Shutter open 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–191 Shutter open 192–223 Random strobe effect slow to fast - Slow 224–255 Shutter open
14	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
15	Dimmer	255	
16	Dimmer	255	
17	Dimmer	255	
18	Dimmer	255	
19	Dimmer	255	
20	Dimmer	255	
21	Dimmer	255	
22	Dimmer	255	

Mode 3 - Pixels RGB

45 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Position MSpeed	0	0–0 Standard mode 1–1 Max speed time 2–255 Speed/Time max to min

Mode 3 - Pixels RGB (continued)

Ch	Function	Default	DMX values
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW colour mixing mode 40–49 CMY colour mixing mode 50–59 P/T speed mode 60–69 P/T time mode 70–79 Blackout while P/T moving: ON 80–89 Blackout while P/T moving: OFF 90–99 Silent zoom ON 100–109 Silent zoom OFF 110–119 White counting ON 120–129 White counting OFF 130–139 NoFeature 2 140–149 P/T reset 150–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	White	255	
12	White Fine	255	Fine byte of White
13	C TO	0	0–0 No function 1–255 Colour temperature correction

Mode 3 - Pixels RGB (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (tungsten emulation) (wheel slot 4) 4–5 White 3200 K (wheel slot 5) 6–6 White 3200 K (tungsten emulation) (wheel slot 7) 7–9 White 4200 K (wheel slot 8) 10–12 White 5600 K (wheel slot 11) 13–13 White 8000 K (wheel slot 14) 14–14 White 8000 K (wheel slot 15) 15–15 White 8000 K (wheel slot 16) 16–16 Blue (wheel slot 17) 17–17 Blue + Green >> 00 (wheel slot 18) 18–18 Blue + Green >> 01 (wheel slot 19) 19–19 Blue + Green >> 02 (wheel slot 20) 20–20 Blue + Green >> 03 (wheel slot 21) 21–21 Blue + Green >> 04 (wheel slot 22) 22–22 Blue + Green >> 05 (wheel slot 23) 23–23 Blue + Green >> 06 (wheel slot 24) 24–24 Blue + Green >> 07 (wheel slot 25) 25–25 Blue + Green >> 08 (wheel slot 26) 26–26 Blue + Green >> 09 (wheel slot 27) 27–27 Blue + Green >> 10 (wheel slot 28) 28–28 Blue + Green >> 11 (wheel slot 29) 29–29 Blue + Green >> 12 (wheel slot 30) 30–30 Blue + Green >> 13 (wheel slot 31) 31–31 Blue + Green >> 14 (wheel slot 32) 32–32 Blue + Green >> 15 (wheel slot 33) 33–33 Blue + Green >> 16 (wheel slot 34) 34–34 Blue + Green >> 17 (wheel slot 35) 35–35 Blue + Green >> 18 (wheel slot 36) 36–36 Blue + Green >> 19 (wheel slot 37) 37–37 Blue + Green >> 20 (wheel slot 38) 38–38 Blue + Green >> 21 (wheel slot 39) 39–39 Blue + Green >> 22 (wheel slot 40) 40–40 Blue + Green >> 23 (wheel slot 41) 41–41 Blue + Green >> 24 (wheel slot 42) 42–42 Blue + Green >> 25 (wheel slot 43) 43–43 Blue + Green >> 26 (wheel slot 44) 44–44 Blue + Green >> 27 (wheel slot 45) 45–45 Blue + Green >> 28 (wheel slot 46) 46–46 Blue + Green >> 29 (wheel slot 47) 47–47 Blue + Green >> 30 (wheel slot 48) 48–48 Blue + Green >> 31 (wheel slot 49) 49–49 Blue + Green >> 32 (wheel slot 50) 50–50 Blue + Green >> 33 (wheel slot 51) 51–51 Blue + Green >> 34 (wheel slot 52) 52–52 Blue + Green >> 35 (wheel slot 53) 53–53 Blue + Green >> 36 (wheel slot 54) 54–54 Blue + Green >> 37 (wheel slot 55) 55–55 Blue + Green >> 38 (wheel slot 56) 56–56 LightBlue (wheel slot 57) 57–57 Green + Blue << 00 (wheel slot 58) 58–58 Green + Blue << 01 (wheel slot 59) 59–59 Green + Blue << 02 (wheel slot 60) 60–60 Green + Blue << 03 (wheel slot 61) 61–61 Green + Blue << 04 (wheel slot 62) 62–62 Green + Blue << 05 (wheel slot 63) 63–63 Green + Blue << 06 (wheel slot 64) 64–64 Green + Blue << 07 (wheel slot 65) 65–65 Green + Blue << 08 (wheel slot 66) 66–66 Green + Blue << 09 (wheel slot 67) 67–67 Green + Blue << 10 (wheel slot 68) 68–68 Green + Blue << 11 (wheel slot 69) 69–69 Green + Blue << 12 (wheel slot 70)

Mode 3 - Pixels RGB (continued)

Ch	Function	Default	DMX values
15	Effect	0	0–2 No function 3–4 Effect 1 5–6 Effect 2 7–8 Effect 3 9–10 Effect 4 11–12 Effect 5 13–14 Effect 6 15–16 Effect 7 17–18 Effect 8 19–20 Effect 9 21–22 Effect 10 23–24 Effect 11 25–26 Effect 12 27–28 Effect 13 29–30 Effect 14 31–32 Effect 15 33–34 Effect 16 35–36 Effect 17 37–38 Effect 18 39–40 Effect 19 41–42 Effect 20 43–44 Effect 21 45–46 Effect 22 47–48 Effect 23 49–50 Effect 24 51–52 Effect 25 53–54 Effect 26 55–56 Effect 27 57–58 Effect 28 59–60 Effect 29 61–62 Effect 30 63–64 Effect 31 65–66 Effect 32 67–68 Effect 33 69–70 Effect 34 71–72 Effect 35 73–74 Effect 36 75–76 Effect 37 77–78 Effect 38 79–80 Effect 39 81–82 Effect 40 83–84 Effect 41 85–86 Effect 42 87–88 Effect 43 89–90 Effect 44 91–92 Effect 45 93–94 Effect 46 95–96 Effect 47 97–98 Effect 48 99–100 Effect 49 101–102 Effect 50 103–104 Effect 51 105–106 Effect 52 107–108 Effect 53 109–110 Effect 54 111–112 Effect 55 113–114 Effect 56 115–116 Effect 57 117–118 Effect 58 119–120 Effect 59 121–122 Effect 60 123–124 Effect 61 125–126 Effect 62 127–128 Effect 63

Mode 3 - Pixels RGB (continued)

Ch	Function	Default	DMX values
16	Effect Speed	0	0–63 Speed min -> max without fade 64–127 Speed max -> min without fade 128–191 Speed min -> max with fade 192–255 Speed max -> min with fade
17	Zoom	128	0–254 narrow 255–255 wide
18	Zoom Fine	0	Fine byte of Zoom
19	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–90 Strobe · Slow to fast - Slow 0.303–17 Hz 91–95 Strobe · Slow to fast - Fast 17.6–20.2 Hz 96–127 Shutter open 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–191 Shutter open 192–223 Random strobe effect slow to fast - Slow 224–255 Shutter open
20	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
21	Dimmer Fine	0	Fine byte of Dimmer
22	Red	0	
23	Green	0	
24	Blue	0	
25	Red	0	
26	Green	0	
27	Blue	0	
28	Red	0	
29	Green	0	
30	Blue	0	
31	Red	0	
32	Green	0	
33	Blue	0	
34	Red	0	
35	Green	0	
36	Blue	0	
37	Red	0	
38	Green	0	
39	Blue	0	
40	Red	0	
41	Green	0	
42	Blue	0	
43	Red	0	
44	Green	0	
45	Blue	0	

Mode 4 - Pixels RGB + dimmer

53 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Position MSpeed	0	0–0 Standard mode 1–1 Max speed time 2–255 Speed/Time max to min
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW colour mixing mode 40–49 CMY colour mixing mode 50–59 P/T speed mode 60–69 P/T time mode 70–79 Blackout while P/T moving: ON 80–89 Blackout while P/T moving: OFF 90–99 Silent zoom ON 100–109 Silent zoom OFF 110–119 White counting ON 120–129 White counting OFF 130–139 NoFeature 2 140–149 P/T reset 150–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	White	255	
12	White Fine	255	Fine byte of White
13	C TO	0	0–0 No function 1–255 Colour temperature correction

Mode 4 - Pixels RGB + dimmer (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (tungsten emulation) (wheel slot 4) 4–5 White 3200 K (wheel slot 5) 6–6 White 3200 K (tungsten emulation) (wheel slot 7) 7–9 White 4200 K (wheel slot 8) 10–12 White 5600 K (wheel slot 11) 13–13 White 8000 K (wheel slot 14) 14–14 White 8000 K (wheel slot 15) 15–15 White 8000 K (wheel slot 16) 16–16 Blue (wheel slot 17) 17–17 Blue + Green >> 00 (wheel slot 18) 18–18 Blue + Green >> 01 (wheel slot 19) 19–19 Blue + Green >> 02 (wheel slot 20) 20–20 Blue + Green >> 03 (wheel slot 21) 21–21 Blue + Green >> 04 (wheel slot 22) 22–22 Blue + Green >> 05 (wheel slot 23) 23–23 Blue + Green >> 06 (wheel slot 24) 24–24 Blue + Green >> 07 (wheel slot 25) 25–25 Blue + Green >> 08 (wheel slot 26) 26–26 Blue + Green >> 09 (wheel slot 27) 27–27 Blue + Green >> 10 (wheel slot 28) 28–28 Blue + Green >> 11 (wheel slot 29) 29–29 Blue + Green >> 12 (wheel slot 30) 30–30 Blue + Green >> 13 (wheel slot 31) 31–31 Blue + Green >> 14 (wheel slot 32) 32–32 Blue + Green >> 15 (wheel slot 33) 33–33 Blue + Green >> 16 (wheel slot 34) 34–34 Blue + Green >> 17 (wheel slot 35) 35–35 Blue + Green >> 18 (wheel slot 36) 36–36 Blue + Green >> 19 (wheel slot 37) 37–37 Blue + Green >> 20 (wheel slot 38) 38–38 Blue + Green >> 21 (wheel slot 39) 39–39 Blue + Green >> 22 (wheel slot 40) 40–40 Blue + Green >> 23 (wheel slot 41) 41–41 Blue + Green >> 24 (wheel slot 42) 42–42 Blue + Green >> 25 (wheel slot 43) 43–43 Blue + Green >> 26 (wheel slot 44) 44–44 Blue + Green >> 27 (wheel slot 45) 45–45 Blue + Green >> 28 (wheel slot 46) 46–46 Blue + Green >> 29 (wheel slot 47) 47–47 Blue + Green >> 30 (wheel slot 48) 48–48 Blue + Green >> 31 (wheel slot 49) 49–49 Blue + Green >> 32 (wheel slot 50) 50–50 Blue + Green >> 33 (wheel slot 51) 51–51 Blue + Green >> 34 (wheel slot 52) 52–52 Blue + Green >> 35 (wheel slot 53) 53–53 Blue + Green >> 36 (wheel slot 54) 54–54 Blue + Green >> 37 (wheel slot 55) 55–55 Blue + Green >> 38 (wheel slot 56) 56–56 LightBlue (wheel slot 57) 57–57 Green + Blue << 00 (wheel slot 58) 58–58 Green + Blue << 01 (wheel slot 59) 59–59 Green + Blue << 02 (wheel slot 60) 60–60 Green + Blue << 03 (wheel slot 61) 61–61 Green + Blue << 04 (wheel slot 62) 62–62 Green + Blue << 05 (wheel slot 63) 63–63 Green + Blue << 06 (wheel slot 64) 64–64 Green + Blue << 07 (wheel slot 65) 65–65 Green + Blue << 08 (wheel slot 66) 66–66 Green + Blue << 09 (wheel slot 67) 67–67 Green + Blue << 10 (wheel slot 68) 68–68 Green + Blue << 11 (wheel slot 69) 69–69 Green + Blue << 12 (wheel slot 70)

Mode 4 - Pixels RGB + dimmer (continued)

Ch	Function	Default	DMX values
15	Effect	0	0–2 No function 3–4 Effect 1 5–6 Effect 2 7–8 Effect 3 9–10 Effect 4 11–12 Effect 5 13–14 Effect 6 15–16 Effect 7 17–18 Effect 8 19–20 Effect 9 21–22 Effect 10 23–24 Effect 11 25–26 Effect 12 27–28 Effect 13 29–30 Effect 14 31–32 Effect 15 33–34 Effect 16 35–36 Effect 17 37–38 Effect 18 39–40 Effect 19 41–42 Effect 20 43–44 Effect 21 45–46 Effect 22 47–48 Effect 23 49–50 Effect 24 51–52 Effect 25 53–54 Effect 26 55–56 Effect 27 57–58 Effect 28 59–60 Effect 29 61–62 Effect 30 63–64 Effect 31 65–66 Effect 32 67–68 Effect 33 69–70 Effect 34 71–72 Effect 35 73–74 Effect 36 75–76 Effect 37 77–78 Effect 38 79–80 Effect 39 81–82 Effect 40 83–84 Effect 41 85–86 Effect 42 87–88 Effect 43 89–90 Effect 44 91–92 Effect 45 93–94 Effect 46 95–96 Effect 47 97–98 Effect 48 99–100 Effect 49 101–102 Effect 50 103–104 Effect 51 105–106 Effect 52 107–108 Effect 53 109–110 Effect 54 111–112 Effect 55 113–114 Effect 56 115–116 Effect 57 117–118 Effect 58 119–120 Effect 59 121–122 Effect 60 123–124 Effect 61 125–126 Effect 62 127–128 Effect 63

Mode 4 - Pixels RGB + dimmer (continued)

Ch	Function	Default	DMX values
16	Effect Speed	0	0–63 Speed min -> max without fade 64–127 Speed max -> min without fade 128–191 Speed min -> max with fade 192–255 Speed max -> min with fade
17	Zoom	128	0–254 narrow 255–255 wide
18	Zoom Fine	0	Fine byte of Zoom
19	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–90 Strobe · Slow to fast - Slow 0.303–17 Hz 91–95 Strobe · Slow to fast - Fast 17.6–20.2 Hz 96–127 Shutter open 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–191 Shutter open 192–223 Random strobe effect slow to fast - Slow 224–255 Shutter open
20	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
21	Dimmer Fine	255	Fine byte of Dimmer
22	Red	0	
23	Green	0	
24	Blue	0	
25	Dimmer	255	
26	Red	0	
27	Green	0	
28	Blue	0	
29	Dimmer	255	
30	Red	0	
31	Green	0	
32	Blue	0	
33	Dimmer	255	
34	Red	0	
35	Green	0	
36	Blue	0	
37	Dimmer	255	
38	Red	0	
39	Green	0	
40	Blue	0	
41	Dimmer	255	
42	Red	0	
43	Green	0	
44	Blue	0	
45	Dimmer	255	
46	Red	0	
47	Green	0	
48	Blue	0	
49	Dimmer	255	

Mode 4 - Pixels RGB + dimmer (continued)

Ch	Function	Default	DMX values
50	Red	0	
51	Green	0	
52	Blue	0	
53	Dimmer	255	

Mode 6 - Pixels RGBW

53 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Position MSpeed	0	0–0 Standard mode 1–1 Max speed time 2–255 Speed/Time max to min
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW colour mixing mode 40–49 CMY colour mixing mode 50–59 P/T speed mode 60–69 P/T time mode 70–79 Blackout while P/T moving: ON 80–89 Blackout while P/T moving: OFF 90–99 Silent zoom ON 100–109 Silent zoom OFF 110–119 White counting ON 120–129 White counting OFF 130–139 NoFeature 2 140–149 P/T reset 150–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	White	255	
12	White Fine	255	Fine byte of White
13	C TO	0	0–0 No function 1–255 Colour temperature correction

Mode 6 - Pixels RGBW (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (tungsten emulation) (wheel slot 4) 4–5 White 3200 K (wheel slot 5) 6–6 White 3200 K (tungsten emulation) (wheel slot 7) 7–9 White 4200 K (wheel slot 8) 10–12 White 5600 K (wheel slot 11) 13–13 White 8000 K (wheel slot 14) 14–14 White 8000 K (wheel slot 15) 15–15 White 8000 K (wheel slot 16) 16–16 Blue (wheel slot 17) 17–17 Blue + Green >> 00 (wheel slot 18) 18–18 Blue + Green >> 01 (wheel slot 19) 19–19 Blue + Green >> 02 (wheel slot 20) 20–20 Blue + Green >> 03 (wheel slot 21) 21–21 Blue + Green >> 04 (wheel slot 22) 22–22 Blue + Green >> 05 (wheel slot 23) 23–23 Blue + Green >> 06 (wheel slot 24) 24–24 Blue + Green >> 07 (wheel slot 25) 25–25 Blue + Green >> 08 (wheel slot 26) 26–26 Blue + Green >> 09 (wheel slot 27) 27–27 Blue + Green >> 10 (wheel slot 28) 28–28 Blue + Green >> 11 (wheel slot 29) 29–29 Blue + Green >> 12 (wheel slot 30) 30–30 Blue + Green >> 13 (wheel slot 31) 31–31 Blue + Green >> 14 (wheel slot 32) 32–32 Blue + Green >> 15 (wheel slot 33) 33–33 Blue + Green >> 16 (wheel slot 34) 34–34 Blue + Green >> 17 (wheel slot 35) 35–35 Blue + Green >> 18 (wheel slot 36) 36–36 Blue + Green >> 19 (wheel slot 37) 37–37 Blue + Green >> 20 (wheel slot 38) 38–38 Blue + Green >> 21 (wheel slot 39) 39–39 Blue + Green >> 22 (wheel slot 40) 40–40 Blue + Green >> 23 (wheel slot 41) 41–41 Blue + Green >> 24 (wheel slot 42) 42–42 Blue + Green >> 25 (wheel slot 43) 43–43 Blue + Green >> 26 (wheel slot 44) 44–44 Blue + Green >> 27 (wheel slot 45) 45–45 Blue + Green >> 28 (wheel slot 46) 46–46 Blue + Green >> 29 (wheel slot 47) 47–47 Blue + Green >> 30 (wheel slot 48) 48–48 Blue + Green >> 31 (wheel slot 49) 49–49 Blue + Green >> 32 (wheel slot 50) 50–50 Blue + Green >> 33 (wheel slot 51) 51–51 Blue + Green >> 34 (wheel slot 52) 52–52 Blue + Green >> 35 (wheel slot 53) 53–53 Blue + Green >> 36 (wheel slot 54) 54–54 Blue + Green >> 37 (wheel slot 55) 55–55 Blue + Green >> 38 (wheel slot 56) 56–56 LightBlue (wheel slot 57) 57–57 Green + Blue << 00 (wheel slot 58) 58–58 Green + Blue << 01 (wheel slot 59) 59–59 Green + Blue << 02 (wheel slot 60) 60–60 Green + Blue << 03 (wheel slot 61) 61–61 Green + Blue << 04 (wheel slot 62) 62–62 Green + Blue << 05 (wheel slot 63) 63–63 Green + Blue << 06 (wheel slot 64) 64–64 Green + Blue << 07 (wheel slot 65) 65–65 Green + Blue << 08 (wheel slot 66) 66–66 Green + Blue << 09 (wheel slot 67) 67–67 Green + Blue << 10 (wheel slot 68) 68–68 Green + Blue << 11 (wheel slot 69) 69–69 Green + Blue << 12 (wheel slot 70)

Mode 6 - Pixels RGBW (continued)

Ch	Function	Default	DMX values
15	Effect	0	0–2 No function 3–4 Effect 1 5–6 Effect 2 7–8 Effect 3 9–10 Effect 4 11–12 Effect 5 13–14 Effect 6 15–16 Effect 7 17–18 Effect 8 19–20 Effect 9 21–22 Effect 10 23–24 Effect 11 25–26 Effect 12 27–28 Effect 13 29–30 Effect 14 31–32 Effect 15 33–34 Effect 16 35–36 Effect 17 37–38 Effect 18 39–40 Effect 19 41–42 Effect 20 43–44 Effect 21 45–46 Effect 22 47–48 Effect 23 49–50 Effect 24 51–52 Effect 25 53–54 Effect 26 55–56 Effect 27 57–58 Effect 28 59–60 Effect 29 61–62 Effect 30 63–64 Effect 31 65–66 Effect 32 67–68 Effect 33 69–70 Effect 34 71–72 Effect 35 73–74 Effect 36 75–76 Effect 37 77–78 Effect 38 79–80 Effect 39 81–82 Effect 40 83–84 Effect 41 85–86 Effect 42 87–88 Effect 43 89–90 Effect 44 91–92 Effect 45 93–94 Effect 46 95–96 Effect 47 97–98 Effect 48 99–100 Effect 49 101–102 Effect 50 103–104 Effect 51 105–106 Effect 52 107–108 Effect 53 109–110 Effect 54 111–112 Effect 55 113–114 Effect 56 115–116 Effect 57 117–118 Effect 58 119–120 Effect 59 121–122 Effect 60 123–124 Effect 61 125–126 Effect 62 127–128 Effect 63

Mode 6 - Pixels RGBW (continued)

Ch	Function	Default	DMX values
16	Effect Speed	0	0–63 Speed min -> max without fade 64–127 Speed max -> min without fade 128–191 Speed min -> max with fade 192–255 Speed max -> min with fade
17	Zoom	128	0–254 narrow 255–255 wide
18	Zoom Fine	0	Fine byte of Zoom
19	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–90 Strobe · Slow to fast - Slow 0.303–17 Hz 91–95 Strobe · Slow to fast - Fast 17.6–20.2 Hz 96–127 Shutter open 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–191 Shutter open 192–223 Random strobe effect slow to fast - Slow 224–255 Shutter open
20	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
21	Dimmer Fine	255	Fine byte of Dimmer
22	Red	0	
23	Green	0	
24	Blue	0	
25	White	0	
26	Red	0	
27	Green	0	
28	Blue	0	
29	White	0	
30	Red	0	
31	Green	0	
32	Blue	0	
33	White	0	
34	Red	0	
35	Green	0	
36	Blue	0	
37	White	0	
38	Red	0	
39	Green	0	
40	Blue	0	
41	White	0	
42	Red	0	
43	Green	0	
44	Blue	0	
45	White	0	
46	Red	0	
47	Green	0	
48	Blue	0	
49	White	0	

Mode 6 - Pixels RGBW (continued)

Ch	Function	Default	DMX values
50	Red	0	
51	Green	0	
52	Blue	0	
53	White	0	

Mode 7 - Pixels RGBW + dimmer

61 channels

Ch	Function	Default	DMX values
1	Tilt	128	
2	Tilt Fine	0	Fine byte of Tilt
3	Position MSpeed	0	0–0 Standard mode 1–1 Max speed time 2–255 Speed/Time max to min
4	Control1	0	0–9 No function 10–14 Wired DMX 15–19 Wireless DMX 20–29 NoFeature 1 30–39 RGBW colour mixing mode 40–49 CMY colour mixing mode 50–59 P/T speed mode 60–69 P/T time mode 70–79 Blackout while P/T moving: ON 80–89 Blackout while P/T moving: OFF 90–99 Silent zoom ON 100–109 Silent zoom OFF 110–119 White counting ON 120–129 White counting OFF 130–139 NoFeature 2 140–149 P/T reset 150–179 NoFeature 3 180–189 Zoom/Beam shaper reset 190–199 NoFeature 4 200–209 Total reset 210–239 NoFeature 5 240–240 Disabled Quiet mode 241–255 Quiet mode min to max
5	Red	255	
6	Red Fine	255	Fine byte of Red
7	Green	255	
8	Green Fine	255	Fine byte of Green
9	Blue	255	
10	Blue Fine	255	Fine byte of Blue
11	White	255	
12	White Fine	255	Fine byte of White
13	C TO	0	0–0 No function 1–255 Colour temperature correction

Mode 7 - Pixels RGBW + dimmer (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–0 Open (wheel slot 1) 1–2 White 2700 K (wheel slot 2) 3–3 White 2700 K (tungsten emulation) (wheel slot 4) 4–5 White 3200 K (wheel slot 5) 6–6 White 3200 K (tungsten emulation) (wheel slot 7) 7–9 White 4200 K (wheel slot 8) 10–12 White 5600 K (wheel slot 11) 13–13 White 8000 K (wheel slot 14) 14–14 White 8000 K (wheel slot 15) 15–15 White 8000 K (wheel slot 16) 16–16 Blue (wheel slot 17) 17–17 Blue + Green >> 00 (wheel slot 18) 18–18 Blue + Green >> 01 (wheel slot 19) 19–19 Blue + Green >> 02 (wheel slot 20) 20–20 Blue + Green >> 03 (wheel slot 21) 21–21 Blue + Green >> 04 (wheel slot 22) 22–22 Blue + Green >> 05 (wheel slot 23) 23–23 Blue + Green >> 06 (wheel slot 24) 24–24 Blue + Green >> 07 (wheel slot 25) 25–25 Blue + Green >> 08 (wheel slot 26) 26–26 Blue + Green >> 09 (wheel slot 27) 27–27 Blue + Green >> 10 (wheel slot 28) 28–28 Blue + Green >> 11 (wheel slot 29) 29–29 Blue + Green >> 12 (wheel slot 30) 30–30 Blue + Green >> 13 (wheel slot 31) 31–31 Blue + Green >> 14 (wheel slot 32) 32–32 Blue + Green >> 15 (wheel slot 33) 33–33 Blue + Green >> 16 (wheel slot 34) 34–34 Blue + Green >> 17 (wheel slot 35) 35–35 Blue + Green >> 18 (wheel slot 36) 36–36 Blue + Green >> 19 (wheel slot 37) 37–37 Blue + Green >> 20 (wheel slot 38) 38–38 Blue + Green >> 21 (wheel slot 39) 39–39 Blue + Green >> 22 (wheel slot 40) 40–40 Blue + Green >> 23 (wheel slot 41) 41–41 Blue + Green >> 24 (wheel slot 42) 42–42 Blue + Green >> 25 (wheel slot 43) 43–43 Blue + Green >> 26 (wheel slot 44) 44–44 Blue + Green >> 27 (wheel slot 45) 45–45 Blue + Green >> 28 (wheel slot 46) 46–46 Blue + Green >> 29 (wheel slot 47) 47–47 Blue + Green >> 30 (wheel slot 48) 48–48 Blue + Green >> 31 (wheel slot 49) 49–49 Blue + Green >> 32 (wheel slot 50) 50–50 Blue + Green >> 33 (wheel slot 51) 51–51 Blue + Green >> 34 (wheel slot 52) 52–52 Blue + Green >> 35 (wheel slot 53) 53–53 Blue + Green >> 36 (wheel slot 54) 54–54 Blue + Green >> 37 (wheel slot 55) 55–55 Blue + Green >> 38 (wheel slot 56) 56–56 LightBlue (wheel slot 57) 57–57 Green + Blue << 00 (wheel slot 58) 58–58 Green + Blue << 01 (wheel slot 59) 59–59 Green + Blue << 02 (wheel slot 60) 60–60 Green + Blue << 03 (wheel slot 61) 61–61 Green + Blue << 04 (wheel slot 62) 62–62 Green + Blue << 05 (wheel slot 63) 63–63 Green + Blue << 06 (wheel slot 64) 64–64 Green + Blue << 07 (wheel slot 65) 65–65 Green + Blue << 08 (wheel slot 66) 66–66 Green + Blue << 09 (wheel slot 67) 67–67 Green + Blue << 10 (wheel slot 68) 68–68 Green + Blue << 11 (wheel slot 69) 69–69 Green + Blue << 12 (wheel slot 70)

Mode 7 - Pixels RGBW + dimmer (continued)

Ch	Function	Default	DMX values
15	Effect	0	0–2 No function 3–4 Effect 1 5–6 Effect 2 7–8 Effect 3 9–10 Effect 4 11–12 Effect 5 13–14 Effect 6 15–16 Effect 7 17–18 Effect 8 19–20 Effect 9 21–22 Effect 10 23–24 Effect 11 25–26 Effect 12 27–28 Effect 13 29–30 Effect 14 31–32 Effect 15 33–34 Effect 16 35–36 Effect 17 37–38 Effect 18 39–40 Effect 19 41–42 Effect 20 43–44 Effect 21 45–46 Effect 22 47–48 Effect 23 49–50 Effect 24 51–52 Effect 25 53–54 Effect 26 55–56 Effect 27 57–58 Effect 28 59–60 Effect 29 61–62 Effect 30 63–64 Effect 31 65–66 Effect 32 67–68 Effect 33 69–70 Effect 34 71–72 Effect 35 73–74 Effect 36 75–76 Effect 37 77–78 Effect 38 79–80 Effect 39 81–82 Effect 40 83–84 Effect 41 85–86 Effect 42 87–88 Effect 43 89–90 Effect 44 91–92 Effect 45 93–94 Effect 46 95–96 Effect 47 97–98 Effect 48 99–100 Effect 49 101–102 Effect 50 103–104 Effect 51 105–106 Effect 52 107–108 Effect 53 109–110 Effect 54 111–112 Effect 55 113–114 Effect 56 115–116 Effect 57 117–118 Effect 58 119–120 Effect 59 121–122 Effect 60 123–124 Effect 61 125–126 Effect 62 127–128 Effect 63

Mode 7 - Pixels RGBW + dimmer (continued)

Ch	Function	Default	DMX values
16	Effect Speed	0	0–63 Speed min -> max without fade 64–127 Speed max -> min without fade 128–191 Speed min -> max with fade 192–255 Speed max -> min with fade
17	Zoom	128	0–254 narrow 255–255 wide
18	Zoom Fine	0	Fine byte of Zoom
19	Shutter / Strobe	32	0–31 Shutter closed 32–63 Shutter open 64–90 Strobe · Slow to fast - Slow 0.303–17 Hz 91–95 Strobe · Slow to fast - Fast 17.6–20.2 Hz 96–127 Shutter open 128–140 Shutter1StrobePulseOpen · Slow to fast - Slow 0.1... 141–143 Shutter1StrobePulseOpen · Slow to fast - Fast 0.45... 144–155 Shutter1StrobePulseClose · Fast to slow - Slow 0.5... 156–159 Shutter1StrobePulseClose · Fast to slow - Fast 0.20... 160–191 Shutter open 192–223 Random strobe effect slow to fast - Slow 224–255 Shutter open
20	Dimmer	0	0–254 Closed (wheel slot -2147483648) 255–255 Open (wheel slot -2147483648)
21	Dimmer Fine	255	Fine byte of Dimmer
22	Red	0	
23	Green	0	
24	Blue	0	
25	White	0	
26	Dimmer	255	
27	Red	0	
28	Green	0	
29	Blue	0	
30	White	0	
31	Dimmer	255	
32	Red	0	
33	Green	0	
34	Blue	0	
35	White	0	
36	Dimmer	255	
37	Red	0	
38	Green	0	
39	Blue	0	
40	White	0	
41	Dimmer	255	
42	Red	0	
43	Green	0	
44	Blue	0	
45	White	0	
46	Dimmer	255	
47	Red	0	
48	Green	0	
49	Blue	0	

Mode 7 - Pixels RGBW + dimmer (continued)

Ch	Function	Default	DMX values
50	White	0	
51	Dimmer	255	
52	Red	0	
53	Green	0	
54	Blue	0	
55	White	0	
56	Dimmer	255	
57	Red	0	
58	Green	0	
59	Blue	0	
60	White	0	
61	Dimmer	255	