Robe Lighting

Robin Spiider RGBA



Manufacturer	**Robe Lighting**
Type	**Moving head**
DMX modes	**10**
DMX footprint	**27, 33, 47, 49, 57, 58, 66, 71, 79 channels**
Beam angle	**4-50°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**6**
Size (W × H × D)	**292 × 225 × 285 mm**
GDTF fixture type	**2E0635CF-1046-4763-85E7-2CD…**

Controls

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

Safety-relevant functions

Built-in effect programmes

DMX modes

Mode 2 - Basic	27 ch
Mode 5 - Wash	27 ch
Mode 3 - Advanced	33 ch
Mode 6 - Pattern	47 ch
Mode 1 - Zones	49 ch
Mode 4 - Full RGBA	57 ch
Mode 7 - Pixel RGB	58 ch
Mode 8 - Pixel RGBA	66 ch
Mode 9 - Pattern full RGB	71 ch
Mode 10 - Pattern full RGBA	79 ch

Mode 2 - Basic

27 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 2 - Basic (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 2 - Basic (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Add RY	255	
12	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
13	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors

Mode 2 - Basic (continued)

Ch	Function	Default	DMX values
14	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 - Basic (continued)

Ch	Function	Default	DMX values
15	Effect Speed	0	0–127 Speed from min to max 128–255 Speed from max to min
16	Effects1Fade	0	0–0 Without fade time 1–255 Fade time from min to max
17	Flower Effect	0	0–0 Open position/Flower Effect Off (wheel slot 1) 1–24 Fast to slow 1/7 (wheel slot 2) 25–49 Fast to slow 2/7 (wheel slot 2) 50–74 Fast to slow 3/7 (wheel slot 2) 75–99 Fast to slow 4/7 (wheel slot 2) 100–119 Fast to slow 5/7 (wheel slot 2) 120–124 Fast to slow 6/7 (wheel slot 2) 125–127 Fast to slow 7/7 (wheel slot 2) 128–128 No rotation middle (wheel slot 2) 129–131 Slow to fast 1/7 (wheel slot 2) 132–136 Slow to fast 2/7 (wheel slot 2) 137–156 Slow to fast 3/7 (wheel slot 2) 157–181 Slow to fast 4/7 (wheel slot 2) 182–206 Slow to fast 5/7 (wheel slot 2) 207–232 Slow to fast 6/7 (wheel slot 2) 233–255 Slow to fast 7/7 (wheel slot 2)
18	Red	255	
19	Green	255	
20	Blue	255	
21	Color Add RY	255	
22	Color Macro1	0	
23	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
24	Dimmer	255	0–254 Closed 255–255 Open
25	Zoom	128	0–254 Max beam angle 255–255 Min beam angle

Mode 2 - Basic (continued)

Ch	Function	Default	DMX values
26	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
27	Dimmer	0	0–254 Closed 255–255 Open

Mode 5 - Wash

27 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 5 - Wash (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 5 - Wash (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Green	255	
10	Blue	255	
11	Color Add RY	255	
12	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
13	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1... 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2... 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4... 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5... 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3... 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
14	Dimmer	255	0–254 Closed 255–255 Open
15	L EDZone Mode	0	
16	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors
17	Flower Effect	0	0–0 Open position/Flower Effect Off (wheel slot 1) 1–24 Fast to slow 1/7 (wheel slot 2) 25–49 Fast to slow 2/7 (wheel slot 2) 50–74 Fast to slow 3/7 (wheel slot 2) 75–99 Fast to slow 4/7 (wheel slot 2) 100–119 Fast to slow 5/7 (wheel slot 2) 120–124 Fast to slow 6/7 (wheel slot 2) 125–127 Fast to slow 7/7 (wheel slot 2) 128–128 No rotation middle (wheel slot 2) 129–131 Slow to fast 1/7 (wheel slot 2) 132–136 Slow to fast 2/7 (wheel slot 2) 137–156 Slow to fast 3/7 (wheel slot 2) 157–181 Slow to fast 4/7 (wheel slot 2) 182–206 Slow to fast 5/7 (wheel slot 2) 207–232 Slow to fast 6/7 (wheel slot 2) 233–255 Slow to fast 7/7 (wheel slot 2)
18	Red	255	
19	Green	255	

Mode 5 - Wash (continued)

Ch	Function	Default	DMX values
20	Blue	255	
21	Color Add RY	255	
22	Color Macro1	0	
23	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
24	Dimmer	255	0–254 Closed 255–255 Open
25	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
26	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
27	Dimmer	0	0–254 Closed 255–255 Open

Mode 3 - Advanced

33 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 3 - Advanced (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 3 - Advanced (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add RY	255	
15	Color Add RY Fine	255	Fine byte of Color Add RY
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors

Mode 3 - Advanced (continued)

Ch	Function	Default	DMX values
18	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 - Advanced (continued)

Ch	Function	Default	DMX values
19	Effect Speed	0	0–127 Speed from min to max 128–255 Speed from max to min
20	Effects1Fade	0	0–0 Without fade time 1–255 Fade time from min to max
21	Flower Effect	0	0–0 Open position/Flower Effect Off (wheel slot 1) 1–24 Fast to slow 1/7 (wheel slot 2) 25–49 Fast to slow 2/7 (wheel slot 2) 50–74 Fast to slow 3/7 (wheel slot 2) 75–99 Fast to slow 4/7 (wheel slot 2) 100–119 Fast to slow 5/7 (wheel slot 2) 120–124 Fast to slow 6/7 (wheel slot 2) 125–127 Fast to slow 7/7 (wheel slot 2) 128–128 No rotation middle (wheel slot 2) 129–131 Slow to fast 1/7 (wheel slot 2) 132–136 Slow to fast 2/7 (wheel slot 2) 137–156 Slow to fast 3/7 (wheel slot 2) 157–181 Slow to fast 4/7 (wheel slot 2) 182–206 Slow to fast 5/7 (wheel slot 2) 207–232 Slow to fast 6/7 (wheel slot 2) 233–255 Slow to fast 7/7 (wheel slot 2)
22	Red	255	
23	Green	255	
24	Blue	255	
25	Color Add RY	255	
26	Color Macro1	0	
27	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
28	Dimmer	255	0–254 Closed 255–255 Open
29	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
30	Zoom Fine	0	Fine byte of Zoom

Mode 3 - Advanced (continued)

Ch	Function	Default	DMX values
31	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
32	Dimmer	0	0–254 Closed 255–255 Open
33	Dimmer Fine	0	Fine byte of Dimmer

Mode 6 - Pattern

47 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 6 - Pattern (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 6 - Pattern (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add RY	255	
15	Color Add RY Fine	255	Fine byte of Color Add RY
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	0–254 Closed 255–255 Open
19	Dimmer Fine	255	Fine byte of Dimmer
20	L EDZone Mode	0	
21	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors

Mode 6 - Pattern (continued)

Ch	Function	Default	DMX values
22	Flower Effect	0	0–0 Open position/Flower Effect Off (wheel slot 1) 1–24 Fast to slow 1/7 (wheel slot 2) 25–49 Fast to slow 2/7 (wheel slot 2) 50–74 Fast to slow 3/7 (wheel slot 2) 75–99 Fast to slow 4/7 (wheel slot 2) 100–119 Fast to slow 5/7 (wheel slot 2) 120–124 Fast to slow 6/7 (wheel slot 2) 125–127 Fast to slow 7/7 (wheel slot 2) 128–128 No rotation middle (wheel slot 2) 129–131 Slow to fast 1/7 (wheel slot 2) 132–136 Slow to fast 2/7 (wheel slot 2) 137–156 Slow to fast 3/7 (wheel slot 2) 157–181 Slow to fast 4/7 (wheel slot 2) 182–206 Slow to fast 5/7 (wheel slot 2) 207–232 Slow to fast 6/7 (wheel slot 2) 233–255 Slow to fast 7/7 (wheel slot 2)
23	Red	255	
24	Green	255	
25	Blue	255	
26	Color Add RY	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	0–254 Closed 255–255 Open
30	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
31	Zoom Fine	0	Fine byte of Zoom
32	Pattern Selection	0	0–2 No pattern 3–4 Pattern 1 5–6 Pattern 2 7–8 Pattern 3 9–10 Pattern 4 11–12 Pattern 5 13–14 Pattern 6 15–16 Pattern 7 17–18 Pattern 8 19–20 Pattern 9 21–22 Pattern 10 23–24 Pattern 11 25–26 Pattern 12 27–255 Reserved

Mode 6 - Pattern (continued)

Ch	Function	Default	DMX values
33	Pattern Size	0	0–2 Variant 1 3–4 Variant 2 5–6 Variant 3 7–8 Variant 4 9–10 Variant 5 11–12 Variant 6 13–14 Variant 7 15–16 Variant 8 17–18 Variant 9 19–20 Variant 10 21–22 Variant 11 23–24 Variant 12 25–26 Variant 13 27–28 Variant 14 29–30 Variant 15 31–32 Variant 16 33–34 Variant 17 35–255 Reserved
34	Pattern Rotation	0	0–0 No rotation 1–127 Pattern indexing 128–190 Forwards rotation - Fast to slow 191–192 No rotation 193–255 Backwards rotation - Slow to fast
35	Pattern Fade	0	0–0 Snap 1–254 Fade min 255–255 Fade max
36	Pattern Transition	0	0–0 No fade 1–254 100 ms 255–255 4 s
37	Pattern Crossfade	255	0–254 Background 255–255 Pattern
38	Red	255	
39	Green	255	
40	Blue	255	
41	Color Add RY	255	

Mode 6 - Pattern (continued)

Ch	Function	Default	DMX values
42	Color Macro1	0	0–2 No macro 3–8 Macro 1 9–14 Macro 2 15–20 Macro 3 21–26 Macro 4 27–32 Macro 5 33–38 Macro 6 39–44 Macro 7 45–50 Macro 8 51–56 Macro 9 57–62 Macro 10 63–68 Macro 11 69–74 Macro 12 75–80 Macro 13 81–86 Macro 14 87–92 Macro 15 93–98 Macro 16 99–104 Macro 17 105–110 Macro 18 111–116 Macro 19 117–122 Macro 20 123–128 Macro 21 129–134 Macro 22 135–140 Macro 23 141–255 Reserved
43	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 PatternStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 PatternStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 PatternStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 PatternStrobePulseOpen · Slow to fast 1/7 0.12–0.... 135–140 PatternStrobePulseOpen · Slow to fast 4/7 0.297–0... 141–143 PatternStrobePulseOpen · Slow to fast 7/7 0.449–0... 144–149 PatternStrobePulseClose · Fast to slow 1/7 0.5–0.3... 150–155 PatternStrobePulseClose · Fast to slow 4/7 0.34–0.... 156–159 PatternStrobePulseClose · Fast to slow 7/7 0.18–0.... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
44	Dimmer	255	0–254 Closed 255–255 Open
45	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
46	Dimmer	0	0–254 Closed 255–255 Open

Mode 6 - Pattern (continued)

Ch	Function	Default	DMX values
47	Dimmer Fine	0	Fine byte of Dimmer

Mode 1 - Zones

49 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 1 - Zones (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 1 - Zones (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add RY	255	
15	Color Add RY Fine	255	Fine byte of Color Add RY
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	Color Add RY	255	
23	Color Add RY Fine	255	Fine byte of Color Add RY
24	Red	255	
25	Red Fine	255	Fine byte of Red
26	Green	255	
27	Green Fine	255	Fine byte of Green
28	Blue	255	
29	Blue Fine	255	Fine byte of Blue
30	Color Add RY	255	
31	Color Add RY Fine	255	Fine byte of Color Add RY
32	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
33	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors

Mode 1 - Zones (continued)

Ch	Function	Default	DMX values
34	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 - Zones (continued)

Ch	Function	Default	DMX values
35	Effect Speed	0	0–127 Speed from min to max 128–255 Speed from max to min
36	Effects1Fade	0	0–0 Without fade time 1–255 Fade time from min to max
37	Flower Effect	0	0–0 Open position/Flower Effect Off (wheel slot 1) 1–124 Fast to slow 1/7 (wheel slot 2) 125–127 Fast to slow 7/7 (wheel slot 2) 128–128 No rotation middle (wheel slot 2) 129–232 Slow to fast 1/7 (wheel slot 2) 233–255 Slow to fast 7/7 (wheel slot 2)
38	Red	255	
39	Green	255	
40	Blue	255	
41	Color Add RY	255	
42	Color Macro1	0	
43	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
44	Dimmer	255	0–254 Closed 255–255 Open
45	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
46	Zoom Fine	0	Fine byte of Zoom
47	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
48	Dimmer	0	0–254 Closed 255–255 Open
49	Dimmer Fine	0	Fine byte of Dimmer

Mode 4 - Full RGBA

57 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 4 - Full RGBA (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 4 - Full RGBA (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add RY	255	
15	Color Add RY Fine	255	Fine byte of Color Add RY
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors

Mode 4 - Full RGBA (continued)

Ch	Function	Default	DMX values
18	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 - Full RGBA (continued)

Ch	Function	Default	DMX values
19	Effect Speed	0	0–127 Speed from min to max 128–255 Speed from max to min
20	Effects1Fade	0	0–0 Without fade time 1–255 Fade time from min to max
21	Flower Effect	0	0–0 Open position/Flower Effect Off (wheel slot 1) 1–24 Fast to slow 1/7 (wheel slot 2) 25–49 Fast to slow 2/7 (wheel slot 2) 50–74 Fast to slow 3/7 (wheel slot 2) 75–99 Fast to slow 4/7 (wheel slot 2) 100–119 Fast to slow 5/7 (wheel slot 2) 120–124 Fast to slow 6/7 (wheel slot 2) 125–127 Fast to slow 7/7 (wheel slot 2) 128–128 No rotation middle (wheel slot 2) 129–131 Slow to fast 1/7 (wheel slot 2) 132–136 Slow to fast 2/7 (wheel slot 2) 137–156 Slow to fast 3/7 (wheel slot 2) 157–181 Slow to fast 4/7 (wheel slot 2) 182–206 Slow to fast 5/7 (wheel slot 2) 207–232 Slow to fast 6/7 (wheel slot 2) 233–255 Slow to fast 7/7 (wheel slot 2)
22	Red	255	
23	Green	255	
24	Blue	255	
25	Color Add RY	255	
26	Color Macro1	0	
27	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
28	Dimmer	255	0–254 Closed 255–255 Open
29	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
30	Zoom Fine	0	Fine byte of Zoom

Mode 4 - Full RGBA (continued)

Ch	Function	Default	DMX values
31	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
32	Dimmer	0	0–254 Closed 255–255 Open
33	Dimmer Fine	0	Fine byte of Dimmer
34	Red	0	
35	Green	0	
36	Blue	0	
37	Red	0	
38	Green	0	
39	Blue	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	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Red	0	
56	Green	0	
57	Blue	0	

Mode 7 - Pixel RGB

58 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	

Mode 7 - Pixel RGB (continued)

Ch	Function	Default	DMX values
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 7 - Pixel RGB (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 7 - Pixel RGB (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add RY	255	
15	Color Add RY Fine	255	Fine byte of Color Add RY
16	C TO	0	0–63 8000K 64–127 5600K 128–191 4200K 192–254 3200K 255–255 2700K
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	0–254 Closed 255–255 Open
19	Dimmer Fine	255	Fine byte of Dimmer
20	L EDZone Mode	0	
21	Color Mix Mode	45	0–9 Global colors 10–19 Maximum mode 20–29 Minimum mode 30–39 Multiply mode 40–49 Addition mode 50–59 Subtraction mode 60–69 Inverted subtraction mode 70–79 Colored background 80–127 No function 128–128 Global colors 129–254 Crossfade 255–255 Pixel colors

Mode 7 - Pixel RGB (continued)

Ch	Function	Default	DMX values
22	Flower Effect	0	0–0 Open position/Flower Effect Off (wheel slot 1) 1–24 Fast to slow 1/7 (wheel slot 2) 25–49 Fast to slow 2/7 (wheel slot 2) 50–74 Fast to slow 3/7 (wheel slot 2) 75–99 Fast to slow 4/7 (wheel slot 2) 100–119 Fast to slow 5/7 (wheel slot 2) 120–124 Fast to slow 6/7 (wheel slot 2) 125–127 Fast to slow 7/7 (wheel slot 2) 128–128 No rotation middle (wheel slot 2) 129–131 Slow to fast 1/7 (wheel slot 2) 132–136 Slow to fast 2/7 (wheel slot 2) 137–156 Slow to fast 3/7 (wheel slot 2) 157–181 Slow to fast 4/7 (wheel slot 2) 182–206 Slow to fast 5/7 (wheel slot 2) 207–232 Slow to fast 6/7 (wheel slot 2) 233–255 Slow to fast 7/7 (wheel slot 2)
23	Red	255	
24	Green	255	
25	Blue	255	
26	Color Add RY	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	0–254 Closed 255–255 Open
30	Zoom	128	0–254 Max beam angle 255–255 Min beam angle
31	Zoom Fine	0	Fine byte of Zoom
32	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open

Mode 7 - Pixel RGB (continued)

Ch	Function	Default	DMX values
33	Dimmer	0	0–254 Closed 255–255 Open
34	Dimmer Fine	0	Fine byte of Dimmer
35	Red	0	
36	Green	0	
37	Blue	0	
38	Red	0	
39	Green	0	
40	Blue	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	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Red	0	
57	Green	0	
58	Blue	0	

Mode 8 - Pixel RGBA

66 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 8 - Pixel RGBA (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 8 - Pixel RGBA (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add RY	255	
15	Color Add RY Fine	255	Fine byte of Color Add RY
16	C TO	0	
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	
19	Dimmer Fine	255	Fine byte of Dimmer
20	L EDZone Mode	0	
21	Color Mix Mode	45	
22	Flower Effect	0	
23	Red	255	
24	Green	255	
25	Blue	255	
26	Color Add RY	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	
30	Zoom	128	
31	Zoom Fine	0	Fine byte of Zoom

Mode 8 - Pixel RGBA (continued)

Ch	Function	Default	DMX values
32	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
33	Dimmer	0	
34	Dimmer Fine	0	Fine byte of Dimmer
35	Red	0	
36	Green	0	
37	Blue	0	
38	Color Add RY	0	
39	Red	0	
40	Green	0	
41	Blue	0	
42	Color Add RY	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	Reserved 52	0	
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	Red	0	
64	Green	0	
65	Blue	0	

Mode 8 - Pixel RGBA (continued)

Ch	Function	Default	DMX values
66	Color Add RY	0	

Mode 9 - Pattern full RGB

71 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 9 - Pattern full RGB (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 9 - Pattern full RGB (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add RY	255	
15	Color Add RY Fine	255	Fine byte of Color Add RY
16	C TO	0	
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1… 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2… 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4… 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5… 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3… 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	
19	Dimmer Fine	255	Fine byte of Dimmer
20	L EDZone Mode	0	
21	Color Mix Mode	45	
22	Flower Effect	0	
23	Red	255	
24	Green	255	
25	Blue	255	
26	Color Add RY	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2… 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.… 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.… 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36… 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2… 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1… 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	
30	Zoom	128	
31	Zoom Fine	0	Fine byte of Zoom

Mode 9 - Pattern full RGB (continued)

Ch	Function	Default	DMX values
32	Pattern Selection	0	
33	Pattern Size	0	
34	Pattern Rotation	0	
35	Pattern Fade	0	
36	Pattern Transition	0	
37	Pattern Crossfade	255	
38	Red	255	
39	Green	255	
40	Blue	255	
41	Color Add RY	255	
42	Color Macro1	0	
43	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 PatternStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 PatternStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 PatternStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 PatternStrobePulseOpen · Slow to fast 1/7 0.12–0.... 135–140 PatternStrobePulseOpen · Slow to fast 4/7 0.297–0... 141–143 PatternStrobePulseOpen · Slow to fast 7/7 0.449–0... 144–149 PatternStrobePulseClose · Fast to slow 1/7 0.5–0.3... 150–155 PatternStrobePulseClose · Fast to slow 4/7 0.34–0.... 156–159 PatternStrobePulseClose · Fast to slow 7/7 0.18–0.... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
44	Dimmer	255	
45	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
46	Dimmer	0	
47	Dimmer Fine	0	Fine byte of Dimmer
48	Red	0	
49	Green	0	
50	Blue	0	
51	Red	0	
52	Green	0	
53	Blue	0	
54	Reserved 54	0	
55	Reserved 55	0	

Mode 9 - Pattern full RGB (continued)

Ch	Function	Default	DMX values
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	Red	0	
70	Green	0	
71	Blue	0	

Mode 10 - Pattern full RGBA

79 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Control1	0	

Mode 10 - Pattern full RGBA (continued)

Ch	Function	Default	DMX values
7	Color Wheel	0	0–0 No function (wheel slot 1) 1–2 Filter 4 (Medium Bastard Amber) (wheel slot 2) 3–4 Filter 25 (Sunset red) (wheel slot 3) 5–6 Filter 19 (Fire) (wheel slot 4) 7–8 Filter 26 (Bright Red) (wheel slot 5) 9–10 Filter 58 (Lavender) (wheel slot 6) 11–12 Filter 68 (Sky Blue) (wheel slot 7) 13–14 Fliter 36 (Medium Pink) (wheel slot 8) 15–16 Filter 89 (Moss Green) (wheel slot 9) 17–18 Filter 88 (Lime Green) (wheel slot 10) 19–20 Filter 90 (Dark Yellow Green) (wheel slot 11) 21–22 Filter 49 (Medium Purple) (wheel slot 12) 23–24 Filter 52 (Light Lavender) (wheel slot 13) 25–26 Filter 102 (Light Amber) (wheel slot 14) 27–28 Filter 103 (Straw) (wheel slot 15) 29–30 Filter 140 (Summer Blue) (wheel slot 16) 31–32 Fliter 124 (Dark Green) (wheel slot 17) 33–34 Filter 106 (Primary Red) (wheel slot 18) 35–36 Filter 111 (Dark Pink) (wheel slot 19) 37–38 Filter 115 (Peacock Blue) (wheel slot 20) 39–40 Filter 126 (Mauve) (wheel slot 21) 41–42 Filter 117 (Steel Blue) (wheel slot 22) 43–44 Filter 118 (Light Blue) (wheel slot 23) 45–46 Filter 122 (Fern Green) (wheel slot 24) 47–48 Filter 182 (Light Red) (wheel slot 25) 49–50 Filter 121 (Filter Green) (wheel slot 26) 51–52 Filter 128 (Bright Pink) (wheel slot 27) 53–54 Filter 131 (Marine Blue) (wheel slot 28) 55–56 Filter 132 (Medium Blue) (wheel slot 29) 57–58 Filter 134 (Golden Amber) (wheel slot 30) 59–60 Filter 135 (Deep Golden Amber) (wheel slot 31) 61–62 Filter 136 (Pale Lavender) (wheel slot 32) 63–64 Filter 137 (Special Lavender) (wheel slot 33) 65–66 Filter 138 (Pale Green) (wheel slot 34) 67–68 Filter 798 (Chrysalis Pink) (wheel slot 35) 69–70 Filter 141 (Bright Blue) (wheel slot 36) 71–72 Filter 147 (Apricot) (wheel slot 37) 73–74 Filter 148 (Bright Rose) (wheel slot 38) 75–76 Filter 152 (Pale Gold) (wheel slot 39) 77–78 Filter 154 (Pale Rose) (wheel slot 40) 79–80 Filter 157 (Pink) (wheel slot 41) 81–82 Filter 143 (Pale Navy Blue) (wheel slot 42) 83–84 Filter 162 (Bastard Amber) (wheel slot 43) 85–86 Filter 164 (Flame Red) (wheel slot 44) 87–88 Filter 165 (Daylight Blue) (wheel slot 45) 89–90 Filter 169 (Lilac Tint) (wheel slot 46) 91–92 Filter 170 (Deep Lavender) (wheel slot 47) 93–94 Filter 172 (Lagoon Blue) (wheel slot 48) 95–96 Filter 194 (Surprise Pink) (wheel slot 49) 97–98 Filter 180 (Dark Lavender) (wheel slot 50) 99–100 Filter 181 (Congo Blue) (wheel slot 51) 101–102 Filter 197 (Alice Blue) (wheel slot 52) 103–104 Filter 201 (Full CT Blue) (wheel slot 53) 105–106 Filter 202 (Half CT Blue) (wheel slot 54) 107–108 Filter 203 (Quarter CT Blue) (wheel slot 55) 109–110 Filter 204 (Full CT Orange) (wheel slot 56) 111–112 Filter 219 (Fluorescent Green) (wheel slot 57) 113–114 Filter 206 (Quarter CT Orange) (wheel slot 58) 115–116 Filter 247 (Filter Minus Green) (wheel slot 59) 117–118 Filter 248 (Half Minus Green) (wheel slot 60) 119–120 Filter 281 (Three Quarter CT Blue) (wheel slot 61) 121–122 Filter 285 (Three Quarter CT Orange) (wheel slot 62) 123–124 Filter 352 (Glacier Blue) (wheel slot 63) 125–126 Filter 353 (Lighter Blue) (wheel slot 64)

Mode 10 - Pattern full RGBA (continued)

Ch	Function	Default	DMX values
8	Red	255	
9	Red Fine	255	Fine byte of Red
10	Green	255	
11	Green Fine	255	Fine byte of Green
12	Blue	255	
13	Blue Fine	255	Fine byte of Blue
14	Color Add RY	255	
15	Color Add RY Fine	255	Fine byte of Color Add RY
16	C TO	0	
17	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 BackgroundStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 BackgroundStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 BackgroundStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 BackgroundStrobePulseOpen · Slow to fast 1/7 0.1... 135–140 BackgroundStrobePulseOpen · Slow to fast 4/7 0.2... 141–143 BackgroundStrobePulseOpen · Slow to fast 7/7 0.4... 144–149 BackgroundStrobePulseClose · Fast to slow 1/7 0.5... 150–155 BackgroundStrobePulseClose · Fast to slow 4/7 0.3... 156–159 BackgroundStrobePulseClose · Fast to slow 7/7 0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
18	Dimmer	255	
19	Dimmer Fine	255	Fine byte of Dimmer
20	L EDZone Mode	0	
21	Color Mix Mode	45	
22	Flower Effect	0	
23	Red	255	
24	Green	255	
25	Blue	255	
26	Color Add RY	255	
27	Color Macro1	0	
28	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 FlowerStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 FlowerStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 FlowerStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 FlowerStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 FlowerStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 FlowerStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 FlowerStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 FlowerStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 FlowerStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
29	Dimmer	255	
30	Zoom	128	
31	Zoom Fine	0	Fine byte of Zoom

Mode 10 - Pattern full RGBA (continued)

Ch	Function	Default	DMX values
32	Pattern Selection	0	
33	Pattern Size	0	
34	Pattern Rotation	0	
35	Pattern Fade	0	
36	Pattern Transition	0	
37	Pattern Crossfade	255	
38	Red	255	
39	Green	255	
40	Blue	255	
41	Color Add RY	255	
42	Color Macro1	0	
43	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 PatternStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 PatternStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 PatternStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 PatternStrobePulseOpen · Slow to fast 1/7 0.12–0.... 135–140 PatternStrobePulseOpen · Slow to fast 4/7 0.297–0... 141–143 PatternStrobePulseOpen · Slow to fast 7/7 0.449–0... 144–149 PatternStrobePulseClose · Fast to slow 1/7 0.5–0.3... 150–155 PatternStrobePulseClose · Fast to slow 4/7 0.34–0.... 156–159 PatternStrobePulseClose · Fast to slow 7/7 0.18–0.... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
44	Dimmer	255	
45	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–79 MasterStrobe · Slow to fast 1/12 0.3–9.83 Hz 80–94 MasterStrobe · Slow to fast 6/12 10.5–19.4 Hz 95–95 MasterStrobe · Slow to fast 12/12 20 Hz 96–127 Shutter open 128–134 MasterStrobePulseOpen · Slow to fast 1/7 0.12–0.2... 135–140 MasterStrobePulseOpen · Slow to fast 4/7 0.297–0.... 141–143 MasterStrobePulseOpen · Slow to fast 7/7 0.449–0.... 144–149 MasterStrobePulseClose · Fast to slow 1/7 0.5–0.36... 150–155 MasterStrobePulseClose · Fast to slow 4/7 0.34–0.2... 156–159 MasterStrobePulseClose · Fast to slow 7/7 0.18–0.1... 160–191 Shutter open 192–222 Random strobe slow 223–223 Random strobe fast 224–255 Shutter open
46	Dimmer	0	
47	Dimmer Fine	0	Fine byte of Dimmer
48	Red	0	
49	Green	0	
50	Blue	0	
51	Color Add RY	0	
52	Red	0	
53	Green	0	
54	Blue	0	
55	Color Add RY	0	

Mode 10 - Pattern full RGBA (continued)

Ch	Function	Default	DMX values
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	
75	Reserved 75	0	
76	Red	0	
77	Green	0	
78	Blue	0	
79	Color Add RY	0	