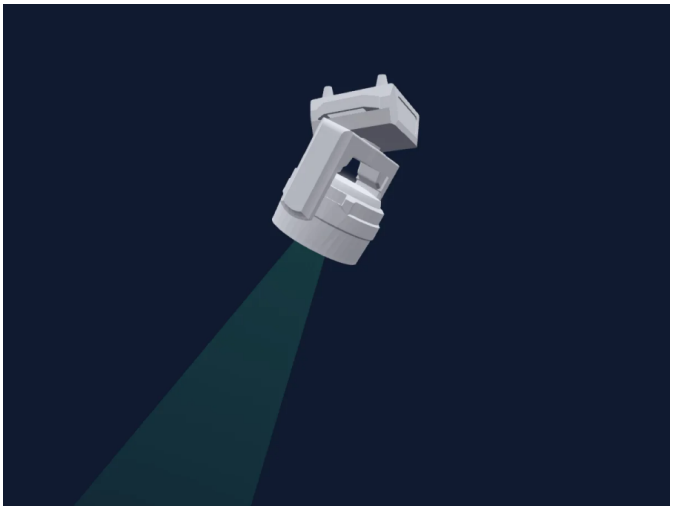
Flash

Moving Head 19x15W Big Eye



Manufacturer	**Flash**
Type	**Moving head**
DMX modes	**7**
DMX footprint	**14, 17, 21, 24, 25, 35 channels**
Beam angle	**5-46°**
Pan range	**540°**
Tilt range	**200°**
Heads / cells	**2**
Size (W × H × D)	**434 × 296 × 134 mm**
GDTF fixture type	**984331A2-472D-46D9-B895-23…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

32ch - ver 1	14 ch
17ch - ver 1	17 ch
89ch - ver 2	17 ch
21ch - ver 2	21 ch
78ch - ver 2	24 ch
97ch - ver 2	25 ch
35ch - ver 2	35 ch

32ch - ver 1

14 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	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
7	Beam Shaper	0	0–9 Lens < 1 10–20 Lens < 2 21–30 Lens < 3 31–40 Lens < 4 41–51 Lens < 5 52–61 Lens < 6 62–72 Lens < > 73–83 Lens > 1 84–94 Lens > 2 95–104 Lens > 3 105–115 Lens > 4 116–126 Lens > 5 127–127 Lens > 6 128–158 <<< 159–189 << 190–190 < 191–192 >< 193–223 > 224–254 >> 255–255 >>>
8	Control1	0	0–25 No function 26–76 Zoom reset 77–127 P/T reset 128–255 Total reset
9	Dimmer	0	0–254 Closed 255–255 Open
10	Shutter / Strobe	255	0–3 Closed 4–24 Strobe · str > 0.5–5.45 Hz 25–101 Strobe · str >> 5.7–24.5 Hz 102–103 Strobe · str >>> 24.8–25 Hz 104–107 Open 108–120 pulse > 121–179 pulse >> 180–207 pulse >>> 208–212 Open 213–224 Random · rnd > 1–3.61 Hz 225–239 Random · rnd >> 3.84–7.16 Hz 240–251 Random · rnd >>> 7.39–10 Hz 252–255 Open
11	Gobo	0	
12	Gobo 2	0	
13	Gobo Rotation 2	0	
14	Dimmer	255	0–254 Closed 255–255 Open

17ch - ver 1

17 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	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
7	Beam Shaper	0	0–9 Lens < 1 10–20 Lens < 2 21–30 Lens < 3 31–40 Lens < 4 41–51 Lens < 5 52–61 Lens < 6 62–72 Lens < > 73–83 Lens > 1 84–94 Lens > 2 95–104 Lens > 3 105–115 Lens > 4 116–126 Lens > 5 127–127 Lens > 6 128–158 <<< 159–189 << 190–190 < 191–192 >< 193–223 > 224–254 >> 255–255 >>>
8	Control1	0	0–25 No function 26–76 Zoom reset 77–127 P/T reset 128–255 Total reset
9	Dimmer	0	0–254 Closed 255–255 Open
10	Shutter / Strobe	255	0–3 Closed 4–24 Strobe · str > 0.5–5.45 Hz 25–101 Strobe · str >> 5.7–24.5 Hz 102–103 Strobe · str >>> 24.8–25 Hz 104–107 Open 108–120 pulse > 121–179 pulse >> 180–207 pulse >>> 208–212 Open 213–224 Random · rnd > 1–3.61 Hz 225–239 Random · rnd >> 3.84–7.16 Hz 240–251 Random · rnd >>> 7.39–10 Hz 252–255 Open
11	Gobo	0	
12	Gobo 2	0	
13	Gobo Rotation 2	0	
14	Red	255	
15	Green	255	
16	Blue	255	
17	White	255	

89ch - ver 2

17 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	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
7	Beam Shaper	0	0–9 Lens < 1 10–20 Lens < 2 21–30 Lens < 3 31–40 Lens < 4 41–51 Lens < 5 52–61 Lens < 6 62–72 Lens < > 73–83 Lens > 1 84–94 Lens > 2 95–104 Lens > 3 105–115 Lens > 4 116–126 Lens > 5 127–127 Lens > 6 128–158 <<< 159–189 << 190–190 < 191–192 >< 193–223 > 224–254 >> 255–255 >>>
8	Control1	0	0–25 No function 26–76 Zoom reset 77–127 P/T reset 128–255 Total reset
9	Dimmer	0	0–254 Closed 255–255 Open
10	Shutter / Strobe	255	0–3 Closed 4–24 Strobe · str > 0.5–5.45 Hz 25–101 Strobe · str >> 5.7–24.5 Hz 102–103 Strobe · str >>> 24.8–25 Hz 104–107 Open 108–120 pulse > 121–179 pulse >> 180–207 pulse >>> 208–212 Open 213–224 Random · rnd > 1–3.61 Hz 225–239 Random · rnd >> 3.84–7.16 Hz 240–251 Random · rnd >>> 7.39–10 Hz 252–255 Open
11	Gobo	0	
12	Gobo 2	0	
13	Gobo Rotation 2	0	
14	Red	255	
15	Green	255	
16	Blue	255	
17	White	0	

21ch - ver 2

21 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	0–9 CTO OFF 10–53 8000 K 54–98 7000 K 99–116 6000 K 117–143 5600 K 144–187 5000 K 188–223 4000 K 224–254 3200 K 255–255 2500 K

21ch - ver 2 (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–9 No function (wheel slot 66) 10–10 Red (wheel slot 1) 11–11 Green (wheel slot 2) 12–12 Blue (wheel slot 3) 13–13 Cyan (wheel slot 4) 14–14 Yellow (wheel slot 5) 15–15 Magenta (wheel slot 6) 16–16 White 7000 K (wheel slot 7) 17–17 White 3700 K (wheel slot 8) 18–18 White 5000 K (wheel slot 9) 19–19 Black (wheel slot 10) 20–22 Medium Yellow (wheel slot 11) 23–26 Straw Tint (wheel slot 12) 27–28 Surprise Peach (wheel slot 13) 29–29 Fire (wheel slot 14) 30–30 Medium Amber (wheel slot 15) 31–31 Gold Amber (wheel slot 16) 32–34 Dark Amber (wheel slot 17) 35–44 Sunrise Red (wheel slot 18) 45–45 Light Pink (wheel slot 19) 46–48 Medium Pink (wheel slot 20) 49–61 Pink Carnation (wheel slot 21) 62–67 Light Lavender (wheel slot 22) 68–77 Lavender (wheel slot 23) 78–88 Sky Blue (wheel slot 24) 89–99 Just Blue (wheel slot 25) 100–109 Dark yellow green (wheel slot 26) 110–111 Spring Yellow (wheel slot 27) 112–112 Light Amber (wheel slot 28) 113–113 Straw (wheel slot 29) 114–114 Deep Amber (wheel slot 30) 115–116 Orange (wheel slot 31) 117–117 Light Rose (wheel slot 32) 118–118 English Rose (wheel slot 33) 119–119 Light Salmon (wheel slot 34) 120–120 Middle Rose (wheel slot 35) 121–122 Dark Pink (wheel slot 36) 123–124 Magenta 1 (wheel slot 37) 125–125 Peacock Blue (wheel slot 38) 126–126 Med Blu Green (wheel slot 39) 127–127 Steel Blue (wheel slot 40) 128–128 Light Blue (wheel slot 41) 129–130 Dark blue (wheel slot 42) 131–133 Leaf Green (wheel slot 43) 134–135 Dark Green (wheel slot 44) 136–137 Mauve (wheel slot 45) 138–141 Bright Pink (wheel slot 46) 142–144 Medium Blue (wheel slot 47) 145–145 Deep Golden Amber (wheel slot 48) 146–146 Pale Lavender (wheel slot 49) 147–148 Special Lavender (wheel slot 50) 149–150 Primary Green (wheel slot 51) 151–156 Bright Blue (wheel slot 52) 157–161 Apricot (wheel slot 53) 162–167 Pale Gold (wheel slot 54) 168–171 Deep Oranger (wheel slot 55) 172–173 Bastard Amber (wheel slot 56) 174–174 Flame Red (wheel slot 57) 175–178 Daylight Blue (wheel slot 58) 179–179 Lilac Tint (wheel slot 59) 180–183 Deep Lavender (wheel slot 60) 184–190 Dark Steel Blue (wheel slot 61) 191–206 Congo Blue (wheel slot 62) 207–207 Alice Blue (wheel slot 63)

21ch - ver 2 (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	255	0–3 Closed 4–24 Strobe · str > 0.5–5.45 Hz 25–101 Strobe · str >> 5.7–24.5 Hz 102–103 Strobe · str >>> 24.8–25 Hz 104–107 Open 108–120 pulse > 121–179 pulse >> 180–207 pulse >>> 208–212 Open 213–224 Random · rnd > 1–3.61 Hz 225–239 Random · rnd >> 3.84–7.16 Hz 240–251 Random · rnd >>> 7.39–10 Hz 252–255 Open
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt
18	Function	0	0–37 No function 38–42 Curve 1 43–47 Curve 2 48–52 Curve 3 53–57 Curve 4 58–190 No function 1 191–192 Dimmer speed FAST 193–194 Dimmer speed SMOOTH 195–255 Function 4
19	Control1	0	0–25 No function 26–76 Zoom reset 77–127 P/T reset 128–255 Total reset
20	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
21	Beam Shaper	0	0–9 Lens < 1 10–20 Lens < 2 21–30 Lens < 3 31–40 Lens < 4 41–51 Lens < 5 52–61 Lens < 6 62–72 Lens < > 73–83 Lens > 1 84–94 Lens > 2 95–104 Lens > 3 105–115 Lens > 4 116–126 Lens > 5 127–127 Lens > 6 128–158 << 159–189 < 190–190 < 191–192 >< 193–223 > 224–254 >> 255–255 >>>

78ch - ver 2

24 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	0–9 CTO OFF 10–53 8000 K 54–98 7000 K 99–116 6000 K 117–143 5600 K 144–187 5000 K 188–223 4000 K 224–254 3200 K 255–255 2500 K

78ch - ver 2 (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–9 No function (wheel slot 66) 10–10 Red (wheel slot 1) 11–11 Green (wheel slot 2) 12–12 Blue (wheel slot 3) 13–13 Cyan (wheel slot 4) 14–14 Yellow (wheel slot 5) 15–15 Magenta (wheel slot 6) 16–16 White 7000 K (wheel slot 7) 17–17 White 3700 K (wheel slot 8) 18–18 White 5000 K (wheel slot 9) 19–19 Black (wheel slot 10) 20–22 Medium Yellow (wheel slot 11) 23–26 Straw Tint (wheel slot 12) 27–28 Surprise Peach (wheel slot 13) 29–29 Fire (wheel slot 14) 30–30 Medium Amber (wheel slot 15) 31–31 Gold Amber (wheel slot 16) 32–34 Dark Amber (wheel slot 17) 35–44 Sunrise Red (wheel slot 18) 45–45 Light Pink (wheel slot 19) 46–48 Medium Pink (wheel slot 20) 49–61 Pink Carnation (wheel slot 21) 62–67 Light Lavender (wheel slot 22) 68–77 Lavender (wheel slot 23) 78–88 Sky Blue (wheel slot 24) 89–99 Just Blue (wheel slot 25) 100–109 Dark yellow green (wheel slot 26) 110–111 Spring Yellow (wheel slot 27) 112–112 Light Amber (wheel slot 28) 113–113 Straw (wheel slot 29) 114–114 Deep Amber (wheel slot 30) 115–116 Orange (wheel slot 31) 117–117 Light Rose (wheel slot 32) 118–118 English Rose (wheel slot 33) 119–119 Light Salmon (wheel slot 34) 120–120 Middle Rose (wheel slot 35) 121–122 Dark Pink (wheel slot 36) 123–124 Magenta 1 (wheel slot 37) 125–125 Peacock Blue (wheel slot 38) 126–126 Med Blu Green (wheel slot 39) 127–127 Steel Blue (wheel slot 40) 128–128 Light Blue (wheel slot 41) 129–130 Dark blue (wheel slot 42) 131–133 Leaf Green (wheel slot 43) 134–135 Dark Green (wheel slot 44) 136–137 Mauve (wheel slot 45) 138–141 Bright Pink (wheel slot 46) 142–144 Medium Blue (wheel slot 47) 145–145 Deep Golden Amber (wheel slot 48) 146–146 Pale Lavender (wheel slot 49) 147–148 Special Lavender (wheel slot 50) 149–150 Primary Green (wheel slot 51) 151–156 Bright Blue (wheel slot 52) 157–161 Apricot (wheel slot 53) 162–167 Pale Gold (wheel slot 54) 168–171 Deep Oranger (wheel slot 55) 172–173 Bastard Amber (wheel slot 56) 174–174 Flame Red (wheel slot 57) 175–178 Daylight Blue (wheel slot 58) 179–179 Lilac Tint (wheel slot 59) 180–183 Deep Lavender (wheel slot 60) 184–190 Dark Steel Blue (wheel slot 61) 191–206 Congo Blue (wheel slot 62) 207–207 Alice Blue (wheel slot 63)

78ch - ver 2 (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	255	0–3 Closed 4–24 Strobe · str > 0.5–5.45 Hz 25–101 Strobe · str >> 5.7–24.5 Hz 102–103 Strobe · str >>> 24.8–25 Hz 104–107 Open 108–120 pulse > 121–179 pulse >> 180–207 pulse >>> 208–212 Open 213–224 Random · rnd > 1–3.61 Hz 225–239 Random · rnd >> 3.84–7.16 Hz 240–251 Random · rnd >>> 7.39–10 Hz 252–255 Open
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt
18	Function	0	0–37 No function 38–42 Curve 1 43–47 Curve 2 48–52 Curve 3 53–57 Curve 4 58–190 No function 1 191–192 Dimmer speed FAST 193–194 Dimmer speed SMOOTH 195–255 Function 4
19	Control1	0	0–25 No function 26–76 Zoom reset 77–127 P/T reset 128–255 Total reset
20	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
21	Beam Shaper	0	0–9 Lens < 1 10–20 Lens < 2 21–30 Lens < 3 31–40 Lens < 4 41–51 Lens < 5 52–61 Lens < 6 62–72 Lens < > 73–83 Lens > 1 84–94 Lens > 2 95–104 Lens > 3 105–115 Lens > 4 116–126 Lens > 5 127–127 Lens > 6 128–158 << 159–189 < 190–190 < 191–192 >< 193–223 > 224–254 >> 255–255 >>>
22	Red	0	
23	Green	0	

78ch - ver 2 (continued)

Ch	Function	Default	DMX values
24	Blue	0	

97ch - ver 2

25 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	0–9 CTO OFF 10–53 8000 K 54–98 7000 K 99–116 6000 K 117–143 5600 K 144–187 5000 K 188–223 4000 K 224–254 3200 K 255–255 2500 K

97ch - ver 2 (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–9 No function (wheel slot 66) 10–10 Red (wheel slot 1) 11–11 Green (wheel slot 2) 12–12 Blue (wheel slot 3) 13–13 Cyan (wheel slot 4) 14–14 Yellow (wheel slot 5) 15–15 Magenta (wheel slot 6) 16–16 White 7000 K (wheel slot 7) 17–17 White 3700 K (wheel slot 8) 18–18 White 5000 K (wheel slot 9) 19–19 Black (wheel slot 10) 20–22 Medium Yellow (wheel slot 11) 23–26 Straw Tint (wheel slot 12) 27–28 Surprise Peach (wheel slot 13) 29–29 Fire (wheel slot 14) 30–30 Medium Amber (wheel slot 15) 31–31 Gold Amber (wheel slot 16) 32–34 Dark Amber (wheel slot 17) 35–44 Sunrise Red (wheel slot 18) 45–45 Light Pink (wheel slot 19) 46–48 Medium Pink (wheel slot 20) 49–61 Pink Carnation (wheel slot 21) 62–67 Light Lavender (wheel slot 22) 68–77 Lavender (wheel slot 23) 78–88 Sky Blue (wheel slot 24) 89–99 Just Blue (wheel slot 25) 100–109 Dark yellow green (wheel slot 26) 110–111 Spring Yellow (wheel slot 27) 112–112 Light Amber (wheel slot 28) 113–113 Straw (wheel slot 29) 114–114 Deep Amber (wheel slot 30) 115–116 Orange (wheel slot 31) 117–117 Light Rose (wheel slot 32) 118–118 English Rose (wheel slot 33) 119–119 Light Salmon (wheel slot 34) 120–120 Middle Rose (wheel slot 35) 121–122 Dark Pink (wheel slot 36) 123–124 Magenta 1 (wheel slot 37) 125–125 Peacock Blue (wheel slot 38) 126–126 Med Blu Green (wheel slot 39) 127–127 Steel Blue (wheel slot 40) 128–128 Light Blue (wheel slot 41) 129–130 Dark blue (wheel slot 42) 131–133 Leaf Green (wheel slot 43) 134–135 Dark Green (wheel slot 44) 136–137 Mauve (wheel slot 45) 138–141 Bright Pink (wheel slot 46) 142–144 Medium Blue (wheel slot 47) 145–145 Deep Golden Amber (wheel slot 48) 146–146 Pale Lavender (wheel slot 49) 147–148 Special Lavender (wheel slot 50) 149–150 Primary Green (wheel slot 51) 151–156 Bright Blue (wheel slot 52) 157–161 Apricot (wheel slot 53) 162–167 Pale Gold (wheel slot 54) 168–171 Deep Oranger (wheel slot 55) 172–173 Bastard Amber (wheel slot 56) 174–174 Flame Red (wheel slot 57) 175–178 Daylight Blue (wheel slot 58) 179–179 Lilac Tint (wheel slot 59) 180–183 Deep Lavender (wheel slot 60) 184–190 Dark Steel Blue (wheel slot 61) 191–206 Congo Blue (wheel slot 62) 207–207 Alice Blue (wheel slot 63)

97ch - ver 2 (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	0	0–3 Closed 4–24 Strobe · str > 0.5–5.45 Hz 25–101 Strobe · str >> 5.7–24.5 Hz 102–103 Strobe · str >>> 24.8–25 Hz 104–107 Open 108–120 pulse > 121–179 pulse >> 180–207 pulse >>> 208–212 Open 213–224 Random · rnd > 1–3.61 Hz 225–239 Random · rnd >> 3.84–7.16 Hz 240–251 Random · rnd >>> 7.39–10 Hz 252–255 Open
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt
18	Function	0	0–37 No function 38–42 Curve 1 43–47 Curve 2 48–52 Curve 3 53–57 Curve 4 58–190 No function 1 191–192 Dimmer speed FAST 193–194 Dimmer speed SMOOTH 195–255 Function 4
19	Control1	0	0–25 No function 26–76 Zoom reset 77–127 P/T reset 128–255 Total reset
20	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
21	Beam Shaper	0	0–9 Lens < 1 10–20 Lens < 2 21–30 Lens < 3 31–40 Lens < 4 41–51 Lens < 5 52–61 Lens < 6 62–72 Lens < > 73–83 Lens > 1 84–94 Lens > 2 95–104 Lens > 3 105–115 Lens > 4 116–126 Lens > 5 127–127 Lens > 6 128–158 << 159–189 < 190–190 < 191–192 >< 193–223 > 224–254 >> 255–255 >>>
22	Red	255	
23	Green	255	

97ch - ver 2 (continued)

Ch	Function	Default	DMX values
24	Blue	255	
25	White	255	

35ch - ver 2

35 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Red Fine	255	Fine byte of Red
3	Green	255	
4	Green Fine	255	Fine byte of Green
5	Blue	255	
6	Blue Fine	255	Fine byte of Blue
7	White	255	
8	White Fine	255	Fine byte of White
9	C TO	0	0–9 CTO OFF 10–53 8000 K 54–98 7000 K 99–116 6000 K 117–143 5600 K 144–187 5000 K 188–223 4000 K 224–254 3200 K 255–255 2500 K

35ch - ver 2 (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–9 No function (wheel slot 66) 10–10 Red (wheel slot 1) 11–11 Green (wheel slot 2) 12–12 Blue (wheel slot 3) 13–13 Cyan (wheel slot 4) 14–14 Yellow (wheel slot 5) 15–15 Magenta (wheel slot 6) 16–16 White 7000 K (wheel slot 7) 17–17 White 3700 K (wheel slot 8) 18–18 White 5000 K (wheel slot 9) 19–19 Black (wheel slot 10) 20–22 Medium Yellow (wheel slot 11) 23–26 Straw Tint (wheel slot 12) 27–28 Surprise Peach (wheel slot 13) 29–29 Fire (wheel slot 14) 30–30 Medium Amber (wheel slot 15) 31–31 Gold Amber (wheel slot 16) 32–34 Dark Amber (wheel slot 17) 35–44 Sunrise Red (wheel slot 18) 45–45 Light Pink (wheel slot 19) 46–48 Medium Pink (wheel slot 20) 49–61 Pink Carnation (wheel slot 21) 62–67 Light Lavender (wheel slot 22) 68–77 Lavender (wheel slot 23) 78–88 Sky Blue (wheel slot 24) 89–99 Just Blue (wheel slot 25) 100–109 Dark yellow green (wheel slot 26) 110–111 Spring Yellow (wheel slot 27) 112–112 Light Amber (wheel slot 28) 113–113 Straw (wheel slot 29) 114–114 Deep Amber (wheel slot 30) 115–116 Orange (wheel slot 31) 117–117 Light Rose (wheel slot 32) 118–118 English Rose (wheel slot 33) 119–119 Light Salmon (wheel slot 34) 120–120 Middle Rose (wheel slot 35) 121–122 Dark Pink (wheel slot 36) 123–124 Magenta 1 (wheel slot 37) 125–125 Peacock Blue (wheel slot 38) 126–126 Med Blu Green (wheel slot 39) 127–127 Steel Blue (wheel slot 40) 128–128 Light Blue (wheel slot 41) 129–130 Dark blue (wheel slot 42) 131–133 Leaf Green (wheel slot 43) 134–135 Dark Green (wheel slot 44) 136–137 Mauve (wheel slot 45) 138–141 Bright Pink (wheel slot 46) 142–144 Medium Blue (wheel slot 47) 145–145 Deep Golden Amber (wheel slot 48) 146–146 Pale Lavender (wheel slot 49) 147–148 Special Lavender (wheel slot 50) 149–150 Primary Green (wheel slot 51) 151–156 Bright Blue (wheel slot 52) 157–161 Apricot (wheel slot 53) 162–167 Pale Gold (wheel slot 54) 168–171 Deep Oranger (wheel slot 55) 172–173 Bastard Amber (wheel slot 56) 174–174 Flame Red (wheel slot 57) 175–178 Daylight Blue (wheel slot 58) 179–179 Lilac Tint (wheel slot 59) 180–183 Deep Lavender (wheel slot 60) 184–190 Dark Steel Blue (wheel slot 61) 191–206 Congo Blue (wheel slot 62) 207–207 Alice Blue (wheel slot 63)

35ch - ver 2 (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	255	0–3 Closed 4–24 Strobe · str > 0.5–5.45 Hz 25–101 Strobe · str >> 5.7–24.5 Hz 102–103 Strobe · str >>> 24.8–25 Hz 104–107 Open 108–120 pulse > 121–179 pulse >> 180–207 pulse >>> 208–212 Open 213–224 Random · rnd > 1–3.61 Hz 225–239 Random · rnd >> 3.84–7.16 Hz 240–251 Random · rnd >>> 7.39–10 Hz 252–255 Open
12	Dimmer	0	0–254 Closed 255–255 Open
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	0	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	0	Fine byte of Tilt
18	Function	0	0–37 No function 38–42 Curve 1 43–47 Curve 2 48–52 Curve 3 53–57 Curve 4 58–190 No function 1 191–192 Dimmer speed FAST 193–194 Dimmer speed SMOOTH 195–255 Function 4
19	Control1	0	0–25 No function 26–76 Zoom reset 77–127 P/T reset 128–255 Total reset
20	Zoom	128	0–127 narrow 128–254 mid 255–255 wide
21	Beam Shaper	0	0–9 Lens < 1 10–20 Lens < 2 21–30 Lens < 3 31–40 Lens < 4 41–51 Lens < 5 52–61 Lens < 6 62–72 Lens < > 73–83 Lens > 1 84–94 Lens > 2 95–104 Lens > 3 105–115 Lens > 4 116–126 Lens > 5 127–127 Lens > 6 128–158 << 159–189 < 190–190 < 191–192 >< 193–223 > 224–254 >> 255–255 >>>

35ch - ver 2 (continued)

Ch	Function	Default	DMX values
22	Gobo	0	0–7 Open (wheel slot 1) 8–8 Pixel 1 (wheel slot 2) 9–9 Ring 1 (wheel slot 3) 10–10 Ring 2 (wheel slot 4) 11–11 Ring 3 (wheel slot 5) 12–12 Pixel 1+Ring 1 (wheel slot 6) 13–13 Pixel 1+Ring 2 (wheel slot 7) 14–14 Pixel 1+Ring 3 (wheel slot 8) 15–15 Single ring (Ramp -/+) (wheel slot 9) 16–16 Filled rings (ramp -/+) (wheel slot 10) 17–17 Open/Close 1 (wheel slot 11) 18–18 Open/Close 2 (wheel slot 12) 19–19 Random pixels 1 (wheel slot 13) 20–20 Random pixels 2 (wheel slot 14) 21–21 Rainbow 1 (Variable speed) (wheel slot 15) 22–22 Rainbow 2 (Fixed speed with variable color offset) (w… 23–23 Fan (wheel slot 17) 24–24 Bar 1 (wheel slot 18) 25–25 Half moon (wheel slot 19) 26–26 Triangle (wheel slot 20) 27–27 Segment 1 (wheel slot 21) 28–28 Arc 1 (wheel slot 22) 29–29 Arc 2 (wheel slot 23) 30–30 Bar 2 (Variable size) (wheel slot 24) 31–31 Random explosion (wheel slot 25) 32–32 Segment 2 (wheel slot 26) 33–33 x Bump (wheel slot 27) 34–34 Image (wheel slot 28) 35–35 Bumping section (wheel slot 29) 36–36 Ramp by 6 (wheel slot 30) 37–37 Ramp by 4 (wheel slot 31) 38–38 Left/Right scrolling bar (wheel slot 32) 39–39 Up/Down scrolling bar (wheel slot 33) 40–40 Bar 3 (wheel slot 34) 41–41 Vertical arc 1 (wheel slot 35) 42–42 Vertical arc 2 (wheel slot 36) 43–43 Horizontal arc 1 (wheel slot 37) 44–44 Horizontal arc 2 (wheel slot 38) 45–45 Mirrored pixel (wheel slot 39) 46–46 Pixel animation 1 (wheel slot 40) 47–47 Pixel animation 2 (wheel slot 41) 48–48 Pixel animation 3 (wheel slot 42) 49–49 Pixel animation 4 (wheel slot 43) 50–50 Pixel animation 5 (wheel slot 44) 51–51 Semi arc (Ramp /+) (wheel slot 45) 52–52 Bumping arc section (wheel slot 46) 53–53 Pixel animation 6 (wheel slot 47) 54–54 Vertical ramp by 2 (wheel slot 48) 55–55 Following pixel by 2 (wheel slot 49) 56–56 Syncopation (wheel slot 50) 57–57 Bumping 1 (wheel slot 51) 58–58 Bumping 2 (wheel slot 52) 59–59 Bumping 3 (wheel slot 53) 60–60 Vertical pixel scrolling (wheel slot 54) 61–61 Random vertical section (wheel slot 55) 62–62 Random central section (wheel slot 56) 63–63 Random ring 2 (wheel slot 57) 64–64 Random ring 3 (wheel slot 58) 65–65 Random ring 1+3 (wheel slot 59) 66–66 Random ring 2+3 (wheel slot 60) 67–67 Single pixel ring 1 (wheel slot 61) 68–68 Single pixel ring 2 (wheel slot 62) 69–69 Single pixel ring 3 (wheel slot 63) 70–255 Spiral (wheel slot 64)

35ch - ver 2 (continued)

Ch	Function	Default	DMX values
23	Gobo Rotation	0	0–6 pos 1 7–13 pos 2 14–20 pos 3 21–27 pos 4 28–34 pos 5 35–41 pos 6 42–48 pos 7 49–55 pos 8 56–62 pos 9 63–63 pos 10 64–111 <<< 112–157 << 158–158 < 159–160 >< 161–207 > 208–254 >> 255–255 >>>
24	Shape Fade	0	0–15 Snap 16–113 gamma 05 114–244 gamma 1 245–245 gamma 2 246–255 automatic gamma
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	Dimmer	255	0–254 Closed 255–255 Open
30	Dimmer Background	255	0–254 Closed 255–255 Open
31	Shape Transition	0	0–4 No fade 5–72 100 ms 73–112 500 ms 113–170 1 s 171–215 2 s 216–254 3 s 255–255 4 s
32	Shape Offset	0	
33	Shutter / Strobe 2	255	0–3 Closed 4–24 Strobe · str > 0.5–5.45 Hz 25–101 Strobe · str >> 5.7–24.5 Hz 102–103 Strobe · str >>> 24.8–25 Hz 104–107 Open 108–120 pulse > 121–179 pulse >> 180–207 pulse >>> 208–212 Open 213–224 Random · rnd > 1–3.61 Hz 225–239 Random · rnd >> 3.84–7.16 Hz 240–251 Random · rnd >>> 7.39–10 Hz 252–255 Open

35ch - ver 2 (continued)

Ch	Function	Default	DMX values
34	Shutter / Strobe 2	255	0–3 Closed 4–24 Strobe · str > 0.5–5.45 Hz 25–101 Strobe · str >> 5.7–24.5 Hz 102–103 Strobe · str >>> 24.8–25 Hz 104–107 Open 108–120 pulse > 121–179 pulse >> 180–207 pulse >>> 208–212 Open 213–224 Random · rnd > 1–3.61 Hz 225–239 Random · rnd >> 3.84–7.16 Hz 240–251 Random · rnd >>> 7.39–10 Hz 252–255 Open
35	Gobo 2	0	0–8 No selection (wheel slot 1) 9–9 Pixel 1 (wheel slot 2) 10–10 Ring 2 (wheel slot 3) 11–11 Ring 3 (wheel slot 4) 12–12 Ring 4 (wheel slot 5) 13–13 Pixel 1 + Ring 2 (wheel slot 6) 14–14 Pixel 1 + Ring 2 + Ring 3 (wheel slot 7) 15–15 Pixel 1 + Ring 2 + Ring 3 + Ring 4 (wheel slot 8) 16–16 Ring 2 + Ring 3 + Ring 4 (wheel slot 9) 17–17 Ring 3 + Ring 4 (wheel slot 10) 18–18 Pixel 1 + Ring 4 (wheel slot 11) 19–19 Ring 2 + Ring 3 (wheel slot 12) 20–20 Pixel 1 + Ring 3 (wheel slot 13) 21–21 Ring 2 + Ring 4 (wheel slot 14) 22–22 Pixel 1 + Ring 3 + Ring 4 (wheel slot 15) 23–254 Pixel 1 + Ring 2 + Ring 4 (wheel slot 16) 255–255 No function