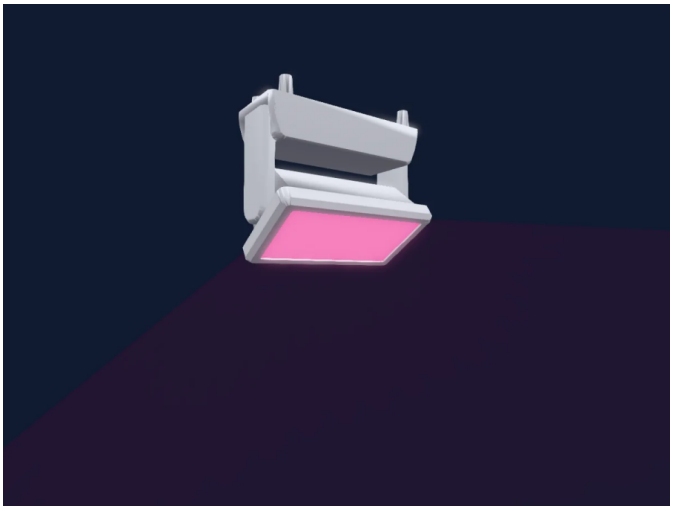
Eagle Lite

AQUILA X4



Manufacturer	**Eagle Lite**
Type	**Moving head**
DMX modes	**8**
DMX footprint	**18, 33, 56, 76, 112, 114, 138, 208 channels**
Beam angle	**100°**
Tilt range	**180°**
Heads / cells	**26**
Size (W × H × D)	**481 × 167 × 253 mm**
GDTF fixture type	**8A304015-9387-410F-8AB3-E6…**

Controls

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

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

Mode1 - 18Ch	18 ch
Mode2 - 33Ch	33 ch
Mode3 - 56Ch	56 ch
Mode 4 - 76ch	76 ch
Mode5 - 112Ch	112 ch
Mode6 - 114Ch	114 ch
Mode7 - 138Ch	138 ch
Mode8 - 208Ch	208 ch

Mode1 - 18Ch

18 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 0% 127–254 50% 255–255 100%
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	0–0 Min 1–254 Min > Max 255–255 Max
4	Control1	0	0–5 No Function - Custom 6–9 Linear Dimmer Curve - Custom 10–14 Square Law Dimmer - Custom 15–19 Inverse Square Dimmer - Custom 20–24 S-Curve Law Dimmer - Custom 25–29 Dimmer Speed Fast - Speed 30–34 Dimmer Speed Smooth - Speed 35–39 LED Frequency 400Hz - Custom 40–44 LED Frequency 1200Hz - Custom 45–49 LED Frequency 2000Hz - Custom 50–54 LED Frequency 4000Hz - Custom 55–59 LED Frequency 6000Hz - Custom 60–64 LED Frequency 8000Hz - Custom 65–69 LED Frequency 16000Hz - Custom 70–74 LED Frequency 20000Hz - Custom 75–79 Fan Mode - Auto - Custom 80–84 Fan Mode - Quiet - Custom 85–89 Fan Mode - Performance - Custom 90–94 No Function - Custom 95–99 Invert Plate (RGB+WW) Off - Custom 100–104 Invert Plate (RGB+WW) On - Custom 105–129 No Function - Custom 130–134 Invert Beam (CW) Off - Custom 135–139 Invert Beam (CW) On - Custom 140–199 No Function - Custom 200–220 Reset Tilt - Reset 221–255 Reset All - Reset
5	Dimmer	255	0–254 Closed 255–255 Open
6	Dimmer Fine	255	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
8	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
9	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
10	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
11	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max

Mode1 - 18Ch (continued)

Ch	Function	Default	DMX values
12	Color Add WW	0	0–0 Min 1–254 Min > Max 255–255 Max
13	White	255	0–0 Min 1–254 Min > Max 255–255 Max
14	Effect	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
15	Effect Speed	0	0–0 Min 1–254 Min > Max 255–255 Max
16	Effect 2	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
17	Effect Speed 2	0	0–0 Min 1–254 Min > Max 255–255 Max

Mode1 - 18Ch (continued)

Ch	Function	Default	DMX values
18	C TC	0	0–17 Disabled - Custom 18–34 8000K - CTC 35–51 7500K - CTC 52–68 6500K - CTC 69–85 6000K - CTC 86–102 5600K - CTC 103–119 5000K - CTC 120–136 4500K - CTC 137–153 4000K - CTC 154–170 3500K - CTC 171–187 3200K - CTC 188–204 3000K - CTC 205–230 2700K - CTC 231–255 2000K (Tungsten Effect) - CTC

Mode2 - 33Ch

33 channels

Ch	Function	Default	DMX values
1	Tilt	127	0–126 0% 127–254 Center 255–255 100%
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	0–0 Min 1–254 Min > Max 255–255 Max

Mode2 - 33Ch (continued)

Ch	Function	Default	DMX values
4	Control1	0	0–5 No Function - Custom 6–9 Linear Dimmer Curve - Custom 10–14 Square Law Dimmer - Custom 15–19 Inverse Square Dimmer - Custom 20–24 S-Curve Law Dimmer - Custom 25–29 Dimmer Speed Fast - Speed 30–34 Dimmer Speed Smooth - Speed 35–39 LED Frequency 400Hz - Custom 40–44 LED Frequency 1200Hz - Custom 45–49 LED Frequency 2000Hz - Custom 50–54 LED Frequency 4000Hz - Custom 55–59 LED Frequency 6000Hz - Custom 60–64 LED Frequency 8000Hz - Custom 65–69 LED Frequency 16000Hz - Custom 70–74 LED Frequency 20000Hz - Custom 75–79 Fan Mode - Auto - Custom 80–84 Fan Mode - Quiet - Custom 85–89 Fan Mode - Performance - Custom 90–94 No Function - Custom 95–99 Invert Plate 1 (RGB+WW) Off - Custom 100–104 Invert Plate 1 (RGB+WW) On - Custom 105–109 Invert Plate 2 (RGB+WW) Off - Custom 110–114 Invert Plate 2 (RGB+WW) On - Custom 115–119 Invert Plate 3 (RGB+WW) Off - Custom 120–124 Invert Plate 3 (RGB+WW) On - Custom 125–129 No Function - Custom 130–134 Invert Beam 1 (CW) Off - Custom 135–139 Invert Beam 1 (CW) On - Custom 140–144 Invert Beam 2 (CW) Off - Custom 145–149 Invert Beam 2 (CW) On - Custom 150–154 Invert Beam 3 (CW) Off - Custom 155–159 Invert Beam 3 (CW) On - Custom 160–164 Invert Beam 4 (CW) Off - Custom 165–169 Invert Beam 4 (CW) On - Custom 170–199 No Function - Custom 200–220 Reset Tilt - Reset 221–255 Reset All - Reset
5	Dimmer	255	0–254 Closed 255–255 Open
6	Dimmer Fine	255	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
8	Strobe Duration	0	0–5 Disabled - Custom 6–245 7 - 650ms - Speed 246–255 Disabled - Custom
9	Shutter / Strobe 2	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
10	Strobe Duration	0	0–5 Disabled - Custom 6–245 7 - 650ms - Speed 246–255 Disabled - Custom
11	Red	255	0–0 Min 1–254 Min > Max 255–255 Max

Mode2 - 33Ch (continued)

Ch	Function	Default	DMX values
12	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
13	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
14	Color Add WW	0	0–0 Min 1–254 Min > Max 255–255 Max
15	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
16	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
17	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
18	Color Add WW	0	0–0 Min 1–254 Min > Max 255–255 Max
19	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
20	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
21	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
22	Color Add WW	0	0–0 Min 1–254 Min > Max 255–255 Max
23	White	255	0–0 Min 1–254 Min > Max 255–255 Max
24	White	255	0–0 Min 1–254 Min > Max 255–255 Max
25	White	255	0–0 Min 1–254 Min > Max 255–255 Max
26	White	255	0–0 Min 1–254 Min > Max 255–255 Max

Mode2 - 33Ch (continued)

Ch	Function	Default	DMX values
27	Effect	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
28	Effect Speed	0	0–0 Min 1–254 Min > Max 255–255 Max
29	Effect 2	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
30	Effect Speed 2	0	0–0 Min 1–254 Min > Max 255–255 Max
31	C TC	0	0–17 Disabled - Custom 18–34 8000K - CTC 35–51 7500K - CTC 52–68 6500K - CTC 69–85 6000K - CTC 86–102 5600K - CTC 103–119 5000K - CTC 120–136 4500K - CTC 137–153 4000K - CTC 154–170 3500K - CTC 171–187 3200K - CTC 188–204 3000K - CTC 205–230 2700K - CTC 231–255 2000K (Tungsten Effect) - CTC

Mode2 - 33Ch (continued)

Ch	Function	Default	DMX values
32	Color Wheel	0	0–17 No Effect - Custom 18–34 Red - Color (wheel slot 1) 35–51 Green - Color (wheel slot 2) 52–68 Blue - Color (wheel slot 3) 69–85 Cyan - Color (wheel slot 4) 86–102 Magenta - Color (wheel slot 5) 103–119 Yellow - Color (wheel slot 6) 120–136 Lime - Color (wheel slot 7) 137–153 Congo Blue - Color (wheel slot 8) 154–170 Medium Pink - Color (wheel slot 9) 171–187 Lavender - Color (wheel slot 10) 188–204 Fire - Color (wheel slot 11) 205–221 Orange - Color (wheel slot 12) 222–230 Amber - Color (wheel slot 13) 231–255 UV - Color (wheel slot 14)
33	Color Wheel 2	0	0–17 No Effect - Custom 18–34 Red - Color (wheel slot 1) 35–51 Green - Color (wheel slot 2) 52–68 Blue - Color (wheel slot 3) 69–85 Cyan - Color (wheel slot 4) 86–102 Magenta - Color (wheel slot 5) 103–119 Yellow - Color (wheel slot 6) 120–136 Lime - Color (wheel slot 7) 137–153 Congo Blue - Color (wheel slot 8) 154–170 Medium Pink - Color (wheel slot 9) 171–187 Lavender - Color (wheel slot 10) 188–204 Fire - Color (wheel slot 11) 205–221 Orange - Color (wheel slot 12) 222–230 Amber - Color (wheel slot 13) 231–255 UV - Color (wheel slot 14)

Mode3 - 56Ch

56 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	0–0 Min 1–254 Min > Max 255–255 Max

Mode3 - 56Ch (continued)

Ch	Function	Default	DMX values
4	Control1	0	0–5 No Function - Custom 6–9 Linear Dimmer Curve - Custom 10–14 Square Law Dimmer - Custom 15–19 Inverse Square Dimmer - Custom 20–24 S-Curve Law Dimmer - Custom 25–29 Dimmer Speed Fast - Speed 30–34 Dimmer Speed Smooth - Speed 35–39 LED Frequency 400Hz - Custom 40–44 LED Frequency 1200Hz - Custom 45–49 LED Frequency 2000Hz - Custom 50–54 LED Frequency 4000Hz - Custom 55–59 LED Frequency 6000Hz - Custom 60–64 LED Frequency 8000Hz - Custom 65–69 LED Frequency 16000Hz - Custom 70–74 LED Frequency 20000Hz - Custom 75–79 Fan Mode - Auto - Custom 80–84 Fan Mode - Quiet - Custom 85–89 Fan Mode - Performance - Custom 90–94 No Function - Custom 95–99 Invert Plate 1 (RGB+WW) Off - Custom 100–104 Invert Plate 1 (RGB+WW) On - Custom 105–109 Invert Plate 2 (RGB+WW) Off - Custom 110–114 Invert Plate 2 (RGB+WW) On - Custom 115–119 Invert Plate 3 (RGB+WW) Off - Custom 120–124 Invert Plate 3 (RGB+WW) On - Custom 125–129 No Function - Custom 130–134 Invert Beam 1 (CW) Off - Custom 135–139 Invert Beam 1 (CW) On - Custom 140–144 Invert Beam 2 (CW) Off - Custom 145–149 Invert Beam 2 (CW) On - Custom 150–154 Invert Beam 3 (CW) Off - Custom 155–159 Invert Beam 3 (CW) On - Custom 160–164 Invert Beam 4 (CW) Off - Custom 165–169 Invert Beam 4 (CW) On - Custom 170–199 No Function - Custom 200–220 Reset Tilt - Reset 221–255 Reset All - Reset
5	Dimmer	255	0–254 Closed 255–255 Open
6	Dimmer Fine	255	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
8	Strobe Duration	0	0–5 Disabled - Custom 6–245 7 - 650ms - Speed 246–255 Disabled - Custom
9	Shutter / Strobe 2	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
10	Strobe Duration	0	0–5 Disabled - Custom 6–245 7 - 650ms - Speed 246–255 Disabled - Custom

Mode3 - 56Ch (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe 3	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
12	Strobe Duration	0	0–5 Disabled - Custom 6–245 7 - 650ms - Speed 246–255 Disabled - Custom
13	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
14	Strobe Duration	0	0–5 Disabled - Custom 6–245 7 - 650ms - Speed 246–255 Disabled - Custom
15	Shutter / Strobe 2	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
16	Strobe Duration	0	0–5 Disabled - Custom 6–245 7 - 650ms - Speed 246–255 Disabled - Custom
17	Shutter / Strobe 3	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
18	Strobe Duration	0	0–5 Disabled - Custom 6–245 7 - 650ms - Speed 246–255 Disabled - Custom
19	Shutter / Strobe 4	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
20	Strobe Duration	0	0–5 Disabled - Custom 6–245 7 - 650ms - Speed 246–255 Disabled - Custom
21	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
22	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
23	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
24	Color Add WW	0	0–0 Min 1–254 Min > Max 255–255 Max
25	Red	255	0–0 Min 1–254 Min > Max 255–255 Max

Mode3 - 56Ch (continued)

Ch	Function	Default	DMX values
26	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
27	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
28	Color Add WW	0	0–0 Min 1–254 Min > Max 255–255 Max
29	Red	255	0–0 Min 1–254 Min > Max 255–255 Max
30	Green	255	0–0 Min 1–254 Min > Max 255–255 Max
31	Blue	255	0–0 Min 1–254 Min > Max 255–255 Max
32	Color Add WW	0	0–0 Min 1–254 Min > Max 255–255 Max
33	White	255	0–0 Min 1–254 Min > Max 255–255 Max
34	White	255	0–0 Min 1–254 Min > Max 255–255 Max
35	White	255	0–0 Min 1–254 Min > Max 255–255 Max
36	White	255	0–0 Min 1–254 Min > Max 255–255 Max
37	Effect	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
38	Effect Speed	0	0–0 Min 1–254 Min > Max 255–255 Max

Mode3 - 56Ch (continued)

Ch	Function	Default	DMX values
39	Effect 2	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
40	Effect Speed 2	0	0–0 Min 1–254 Min > Max 255–255 Max
41	Effect 3	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
42	Effect Speed 3	0	0–0 Min 1–254 Min > Max 255–255 Max
43	Effect 4	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–246 Macro Effect 16 - Macro 247–255 Macro Effect Scroll - Rotate Random

Mode3 - 56Ch (continued)

Ch	Function	Default	DMX values
44	Effect Speed 4	0	0–0 Min 1–254 Min > Max 255–255 Max
45	Effect 5	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–246 Macro Effect 16 - Macro 247–255 Macro Effect Scroll - Rotate Random
46	Effect Speed 5	0	0–0 Min 1–254 Min > Max 255–255 Max
47	Effect 6	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–246 Macro Effect 16 - Macro 247–255 Macro Effect Scroll - Rotate Random
48	Effect Speed 6	0	0–0 Min 1–254 Min > Max 255–255 Max

Mode3 - 56Ch (continued)

Ch	Function	Default	DMX values
49	Effect 7	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–246 Macro Effect 16 - Macro 247–255 Macro Effect Scroll - Rotate Random
50	Effect Speed 7	0	0–0 Min 1–254 Min > Max 255–255 Max
51	Color Wheel	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom

Mode3 - 56Ch (continued)

Ch	Function	Default	DMX values
52	Color Wheel 2	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom
53	Color3	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom

Mode3 - 56Ch (continued)

Ch	Function	Default	DMX values
54	Color4	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom
55	Color5	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom

Mode3 - 56Ch (continued)

Ch	Function	Default	DMX values
56	Color6	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom

Mode 4 - 76ch

76 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	
4	Control1	0	
5	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
8	Strobe Duration	0	
9	Shutter / Strobe 2	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
10	Strobe Duration	0	

Mode 4 - 76ch (continued)

Ch	Function	Default	DMX values
11	Effect	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
12	Effect Speed	0	
13	Effect 2	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
14	Effect Speed 2	0	

Mode 4 - 76ch (continued)

Ch	Function	Default	DMX values
15	Color Wheel	0	0–5 Open (wheel slot 29) 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom
16	Color Wheel 2	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom

Mode 4 - 76ch (continued)

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

Mode 4 - 76ch (continued)

Ch	Function	Default	DMX values
62	Green	255	
63	Blue	255	
64	Color Add WW	0	
65	White	255	
66	White	255	
67	White	255	
68	White	255	
69	White	255	
70	White	255	
71	White	255	
72	White	255	
73	White	255	
74	White	255	
75	White	255	
76	White	255	

Mode5 - 112Ch

112 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	
4	Control1	0	
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
8	Strobe Duration	0	
9	Shutter / Strobe 2	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
10	Strobe Duration	0	

Mode5 - 112Ch (continued)

Ch	Function	Default	DMX values
11	Effect	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
12	Effect Speed	0	
13	Red	255	
14	Green	255	
15	Blue	255	
16	Color Add WW	0	
17	Red	255	
18	Green	255	
19	Blue	255	
20	Color Add WW	0	
21	Red	255	
22	Green	255	
23	Blue	255	
24	Color Add WW	0	
25	Red	255	
26	Green	255	
27	Blue	255	
28	Color Add WW	0	
29	Red	255	
30	Green	255	
31	Blue	255	
32	Color Add WW	0	
33	Red	255	
34	Green	255	
35	Blue	255	
36	Color Add WW	0	
37	Red	255	
38	Green	255	
39	Blue	255	
40	Color Add WW	0	
41	Red	255	
42	Green	255	
43	Blue	255	

Mode5 - 112Ch (continued)

Ch	Function	Default	DMX values
44	Color Add WW	0	
45	Red	255	
46	Green	255	
47	Blue	255	
48	Color Add WW	0	
49	Red	255	
50	Green	255	
51	Blue	255	
52	Color Add WW	0	
53	Red	255	
54	Green	255	
55	Blue	255	
56	Color Add WW	0	
57	Red	255	
58	Green	255	
59	Blue	255	
60	Color Add WW	0	
61	Red	255	
62	Green	255	
63	Blue	255	
64	Color Add WW	0	
65	Red	255	
66	Green	255	
67	Blue	255	
68	Color Add WW	0	
69	Red	255	
70	Green	255	
71	Blue	255	
72	Color Add WW	0	
73	Red	255	
74	Green	255	
75	Blue	255	
76	Color Add WW	0	
77	Red	255	
78	Green	255	
79	Blue	255	
80	Color Add WW	0	
81	Red	255	
82	Green	255	
83	Blue	255	
84	Color Add WW	0	
85	Red	255	
86	Green	255	
87	Blue	255	
88	Color Add WW	0	

Mode5 - 112Ch (continued)

Ch	Function	Default	DMX values
89	Red	255	
90	Green	255	
91	Blue	255	
92	Color Add WW	0	
93	Red	255	
94	Green	255	
95	Blue	255	
96	Color Add WW	0	
97	Red	255	
98	Green	255	
99	Blue	255	
100	Color Add WW	0	
101	Red	255	
102	Green	255	
103	Blue	255	
104	Color Add WW	0	
105	Red	255	
106	Green	255	
107	Blue	255	
108	Color Add WW	0	
109	White	255	
110	White	255	
111	White	255	
112	White	255	

Mode6 - 114Ch

114 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	
4	Control1	0	
5	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
8	Strobe Duration	0	
9	Shutter / Strobe 2	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
10	Strobe Duration	0	
11	Red	255	
12	Green	255	

Mode6 - 114Ch (continued)

Ch	Function	Default	DMX values
13	Blue	255	
14	Color Add WW	0	
15	Effect	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
16	Effect Speed	0	
17	Color Wheel	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom

Mode6 - 114Ch (continued)

Ch	Function	Default	DMX values
18	Color Wheel 2	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom
19	White	255	
20	White	255	
21	White	255	
22	White	255	
23	White	255	
24	White	255	
25	White	255	
26	White	255	
27	White	255	
28	White	255	
29	White	255	
30	White	255	
31	White	255	
32	White	255	
33	White	255	
34	White	255	
35	White	255	
36	White	255	
37	White	255	
38	White	255	
39	White	255	
40	White	255	
41	White	255	

Mode6 - 114Ch (continued)

Ch	Function	Default	DMX values
42	White	255	
43	White	255	
44	White	255	
45	White	255	
46	White	255	
47	White	255	
48	White	255	
49	White	255	
50	White	255	
51	White	255	
52	White	255	
53	White	255	
54	White	255	
55	White	255	
56	White	255	
57	White	255	
58	White	255	
59	White	255	
60	White	255	
61	White	255	
62	White	255	
63	White	255	
64	White	255	
65	White	255	
66	White	255	
67	White	255	
68	White	255	
69	White	255	
70	White	255	
71	White	255	
72	White	255	
73	White	255	
74	White	255	
75	White	255	
76	White	255	
77	White	255	
78	White	255	
79	White	255	
80	White	255	
81	White	255	
82	White	255	
83	White	255	
84	White	255	
85	White	255	
86	White	255	

Mode6 - 114Ch (continued)

Ch	Function	Default	DMX values
87	White	255	
88	White	255	
89	White	255	
90	White	255	
91	White	255	
92	White	255	
93	White	255	
94	White	255	
95	White	255	
96	White	255	
97	White	255	
98	White	255	
99	White	255	
100	White	255	
101	White	255	
102	White	255	
103	White	255	
104	White	255	
105	White	255	
106	White	255	
107	White	255	
108	White	255	
109	White	255	
110	White	255	
111	White	255	
112	White	255	
113	White	255	
114	White	255	

Mode7 - 138Ch

138 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	
4	Control1	0	
5	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
8	Strobe Duration	0	

Mode7 - 138Ch (continued)

Ch	Function	Default	DMX values
9	Shutter / Strobe 2	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
10	Strobe Duration	0	
11	Red	255	
12	Green	255	
13	Blue	255	
14	Color Add WW	0	
15	Red	255	
16	Green	255	
17	Blue	255	
18	Color Add WW	0	
19	Red	255	
20	Green	255	
21	Blue	255	
22	Color Add WW	0	
23	Red	255	
24	Green	255	
25	Blue	255	
26	Color Add WW	0	
27	Red	255	
28	Green	255	
29	Blue	255	
30	Color Add WW	0	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Color Add WW	0	
35	Red	255	
36	Green	255	
37	Blue	255	
38	Color Add WW	0	
39	Red	255	
40	Green	255	
41	Blue	255	
42	Color Add WW	0	
43	Red	255	
44	Green	255	
45	Blue	255	
46	Color Add WW	0	
47	Red	255	
48	Green	255	
49	Blue	255	
50	Color Add WW	0	

Mode7 - 138Ch (continued)

Ch	Function	Default	DMX values
51	Red	255	
52	Green	255	
53	Blue	255	
54	Color Add WW	0	
55	Red	255	
56	Green	255	
57	Blue	255	
58	Color Add WW	0	
59	Red	255	
60	Green	255	
61	Blue	255	
62	Color Add WW	0	
63	Red	255	
64	Green	255	
65	Blue	255	
66	Color Add WW	0	
67	Red	255	
68	Green	255	
69	Blue	255	
70	Color Add WW	0	
71	Red	255	
72	Green	255	
73	Blue	255	
74	Color Add WW	0	
75	Red	255	
76	Green	255	
77	Blue	255	
78	Color Add WW	0	
79	Red	255	
80	Green	255	
81	Blue	255	
82	Color Add WW	0	
83	Red	255	
84	Green	255	
85	Blue	255	
86	Color Add WW	0	
87	Red	255	
88	Green	255	
89	Blue	255	
90	Color Add WW	0	
91	Red	255	
92	Green	255	
93	Blue	255	
94	Color Add WW	0	
95	Red	255	

Mode7 - 138Ch (continued)

Ch	Function	Default	DMX values
96	Green	255	
97	Blue	255	
98	Color Add WW	0	
99	Red	255	
100	Green	255	
101	Blue	255	
102	Color Add WW	0	
103	Red	255	
104	Green	255	
105	Blue	255	
106	Color Add WW	0	
107	White	255	
108	White	255	
109	White	255	
110	White	255	
111	White	255	
112	White	255	
113	White	255	
114	White	255	
115	White	255	
116	White	255	
117	White	255	
118	White	255	
119	White	255	
120	White	255	
121	White	255	
122	White	255	
123	White	255	
124	White	255	
125	White	255	
126	White	255	
127	White	255	
128	White	255	
129	White	255	
130	White	255	
131	White	255	
132	White	255	
133	White	255	
134	White	255	
135	White	255	
136	White	255	
137	White	255	
138	White	255	

Mode8 - 208Ch

208 channels

Ch	Function	Default	DMX values
1	Tilt	127	
2	Tilt Fine	255	Fine byte of Tilt
3	Position MSpeed	0	
4	Control1	0	
5	Dimmer	255	
6	Dimmer Fine	255	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
8	Strobe Duration	0	
9	Shutter / Strobe 2	0	0–5 Open - Shutter Open 6–55 Synchronous Strobe S > F - Strobe 56–125 Pulse Strobe S > F - Strobe Pulse Random 126–189 Strobe Random S > F - Strobe Random 190–255 Open - Shutter Open
10	Strobe Duration	0	
11	Effect	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
12	Effect Speed	0	
13	Effect 2	0	0–5 No Effect - Custom 6–20 Macro Effect 1 - Macro 21–35 Macro Effect 2 - Macro 36–50 Macro Effect 3 - Macro 51–65 Macro Effect 4 - Macro 66–80 Macro Effect 5 - Macro 81–95 Macro Effect 6 - Macro 96–110 Macro Effect 7 - Macro 111–125 Macro Effect 8 - Macro 126–140 Macro Effect 9 - Macro 141–155 Macro Effect 10 - Macro 156–170 Macro Effect 11 - Macro 171–185 Macro Effect 12 - Macro 186–200 Macro Effect 13 - Macro 201–215 Macro Effect 14 - Macro 216–230 Macro Effect 15 - Macro 231–245 Macro Effect 16 - Macro 246–255 Macro Effect Scroll - Rotate Random
14	Effect Speed 2	0	

Mode8 - 208Ch (continued)

Ch	Function	Default	DMX values
15	Color Wheel	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom
16	Color Wheel 2	0	0–5 No Function - Custom 6–9 8000K - CTC (wheel slot 1) 10–14 7500K - CTC (wheel slot 2) 15–19 6500K - CTC (wheel slot 3) 20–24 6000K - CTC (wheel slot 4) 25–29 5600K - CTC (wheel slot 5) 30–34 5000K - CTC (wheel slot 6) 35–39 4500K - CTC (wheel slot 7) 40–44 4000K - CTC (wheel slot 8) 45–49 3500K - CTC (wheel slot 9) 50–54 3200K - CTC (wheel slot 10) 55–59 3000K - CTC (wheel slot 11) 60–64 2700K - CTC (wheel slot 12) 65–69 2500K - CTC (wheel slot 13) 70–74 2000K - CTC (wheel slot 14) 75–99 No Function - Custom 100–105 Red - Color (wheel slot 15) 106–109 Green - Color (wheel slot 16) 110–114 Blue - Color (wheel slot 17) 115–119 Cyan - Color (wheel slot 18) 120–124 Magenta - Color (wheel slot 19) 125–129 Yellow - Color (wheel slot 20) 130–134 Lime - Color (wheel slot 21) 135–139 Congo Blue - Color (wheel slot 22) 140–144 Medium Pink - Color (wheel slot 23) 145–149 Lavender - Color (wheel slot 24) 150–154 Fire - Color (wheel slot 25) 155–159 Orange - Color (wheel slot 26) 160–164 Amber - Color (wheel slot 27) 165–169 UV - Color (wheel slot 28) 170–255 No Function - Custom

Mode8 - 208Ch (continued)

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

Mode8 - 208Ch (continued)

Ch	Function	Default	DMX values
62	Green	255	
63	Blue	255	
64	Color Add WW	0	
65	Red	255	
66	Green	255	
67	Blue	255	
68	Color Add WW	0	
69	Red	255	
70	Green	255	
71	Blue	255	
72	Color Add WW	0	
73	Red	255	
74	Green	255	
75	Blue	255	
76	Color Add WW	0	
77	Red	255	
78	Green	255	
79	Blue	255	
80	Color Add WW	0	
81	Red	255	
82	Green	255	
83	Blue	255	
84	Color Add WW	0	
85	Red	255	
86	Green	255	
87	Blue	255	
88	Color Add WW	0	
89	Red	255	
90	Green	255	
91	Blue	255	
92	Color Add WW	0	
93	Red	255	
94	Green	255	
95	Blue	255	
96	Color Add WW	0	
97	Red	255	
98	Green	255	
99	Blue	255	
100	Color Add WW	0	
101	Red	255	
102	Green	255	
103	Blue	255	
104	Color Add WW	0	
105	Red	255	
106	Green	255	

Mode8 - 208Ch (continued)

Ch	Function	Default	DMX values
107	Blue	255	
108	Color Add WW	0	
109	Red	255	
110	Green	255	
111	Blue	255	
112	Color Add WW	0	
113	White	255	
114	White	255	
115	White	255	
116	White	255	
117	White	255	
118	White	255	
119	White	255	
120	White	255	
121	White	255	
122	White	255	
123	White	255	
124	White	255	
125	White	255	
126	White	255	
127	White	255	
128	White	255	
129	White	255	
130	White	255	
131	White	255	
132	White	255	
133	White	255	
134	White	255	
135	White	255	
136	White	255	
137	White	255	
138	White	255	
139	White	255	
140	White	255	
141	White	255	
142	White	255	
143	White	255	
144	White	255	
145	White	255	
146	White	255	
147	White	255	
148	White	255	
149	White	255	
150	White	255	
151	White	255	

Mode8 - 208Ch (continued)

Ch	Function	Default	DMX values
152	White	255	
153	White	255	
154	White	255	
155	White	255	
156	White	255	
157	White	255	
158	White	255	
159	White	255	
160	White	255	
161	White	255	
162	White	255	
163	White	255	
164	White	255	
165	White	255	
166	White	255	
167	White	255	
168	White	255	
169	White	255	
170	White	255	
171	White	255	
172	White	255	
173	White	255	
174	White	255	
175	White	255	
176	White	255	
177	White	255	
178	White	255	
179	White	255	
180	White	255	
181	White	255	
182	White	255	
183	White	255	
184	White	255	
185	White	255	
186	White	255	
187	White	255	
188	White	255	
189	White	255	
190	White	255	
191	White	255	
192	White	255	
193	White	255	
194	White	255	
195	White	255	
196	White	255	

Mode8 - 208Ch (continued)

Ch	Function	Default	DMX values
197	White	255	
198	White	255	
199	White	255	
200	White	255	
201	White	255	
202	White	255	
203	White	255	
204	White	255	
205	White	255	
206	White	255	
207	White	255	
208	White	255	