ADJ

Hydro Flex L19



Manufacturer	**ADJ**
Type	**Moving head**
DMX modes	**7**
DMX footprint	**22, 31, 34, 40, 104 channels**
Beam angle	**8-56°**
Pan range	**540°**
Tilt range	**250°**
Heads / cells	**3**
Size (W × H × D)	**315 × 299 × 292 mm**
GDTF fixture type	**59C7E377-DAEA-4B5C-9B3F-F1…**

Controls

Zoom · CMY colour mixing · Extra LED colours · RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt · Movement speed

Safety-relevant functions

Strobe · Built-in effect programmes

DMX modes

22 CH	22 ch
31 CH STD	31 ch
31 CH STD CMY	31 ch
31 CH STD RGBW	31 ch
34 CH	34 ch
40 CH	40 ch
104 CH	104 ch

22 CH

22 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	127	
3	Red	0	0–254 Red 1 Min 255–255 Red 1 Max
4	Green	0	0–254 Green 1 Min 255–255 Green 1 Max
5	Blue	0	0–254 Blue 1 Min 255–255 Blue1 Max
6	Color Add GY	0	0–254 Lime 1 Min 255–255 Lime 1 Max
7	Color Wheel 2	0	0–0 No Function (wheel slot 1) 1–60 2700 (wheel slot 5) 61–179 3000 (wheel slot 8) 180–201 3200 (wheel slot 10) 202–207 4000 (wheel slot 18) 208–229 4500 (wheel slot 23) 230–234 5000 (wheel slot 28) 235–239 5600 (wheel slot 34) 240–244 6500 (wheel slot 43) 245–249 8000K (wheel slot 58) 250–255 10000K (wheel slot 64)
8	Color5	0	
9	Effect	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
10	Effect Speed	0	
11	Effects1Fade	0	
12	Effect 2	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
13	Effect Speed 2	0	
14	Effects2Fade	0	
15	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)

22 CH (continued)

Ch	Function	Default	DMX values
16	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
17	Zoom	127	
18	Effect	0	0–9 No Function 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No Function
19	Effect Speed	0	
20	Effects1Fade	0	
21	Position MSpeed	0	
22	Function	0	

31 CH STD

31 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Red	0	0–254 Red Min 255–255 Red Max
6	Green	0	0–254 Green Min 255–255 Green Max
7	Blue	0	0–254 Blue Min 255–255 Blue Max
8	Color Add GY	0	0–254 Lime Min 255–255 Lime Max
9	Color Wheel	0	

31 CH STD (continued)

Ch	Function	Default	DMX values
10	Color Wheel 2	0	0–0 No Function (wheel slot 1) 1–60 2700 (wheel slot 5) 61–179 3000 (wheel slot 8) 180–201 3200 (wheel slot 10) 202–207 4000 (wheel slot 18) 208–229 4500 (wheel slot 23) 230–234 5000 (wheel slot 28) 235–239 5600 (wheel slot 34) 240–244 6500 (wheel slot 43) 245–249 8000K (wheel slot 58) 250–255 10000K (wheel slot 64)
11	Color3	0	
12	Color4	0	
13	Color5	0	
14	Effect	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
15	Effect Speed	0	
16	Effects1Fade	0	
17	Effect 2	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
18	Effect Speed 2	0	
19	Effects2Fade	0	
20	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
21	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
22	Dimmer Fine	0	Fine byte of Dimmer
23	Zoom	127	
24	Zoom Fine	127	Fine byte of Zoom

31 CH STD (continued)

Ch	Function	Default	DMX values
25	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
26	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function
27	Effect	0	0–9 No Function 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No Function
28	Effect Speed	0	
29	Effects1Fade	0	
30	Position MSpeed	0	
31	Function	0	

31 CH STD CMY

31 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Cyan	0	0–254 Cyan Min 255–255 Cyan Max
6	Magenta	0	0–254 Magenta Min 255–255 Magenta Max
7	Yellow	0	0–254 Yellow Min 255–255 Yellow Max
8	Color Wheel	0	
9	Color Wheel 2	0	0–0 No Function (wheel slot 1) 1–60 2700 (wheel slot 5) 61–179 3000 (wheel slot 8) 180–201 3200 (wheel slot 10) 202–207 4000 (wheel slot 18) 208–229 4500 (wheel slot 23) 230–234 5000 (wheel slot 28) 235–239 5600 (wheel slot 34) 240–244 6500 (wheel slot 43) 245–249 8000K (wheel slot 58) 250–255 10000K (wheel slot 64)
10	Color3	0	
11	Color4	0	
12	Color5	0	
13	Effect	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
14	Effect Speed	0	
15	Effects1Fade	0	
16	Effect 2	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
17	Effect Speed 2	0	
18	Effects2Fade	0	
19	Tint	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green

31 CH STD CMY (continued)

Ch	Function	Default	DMX values
20	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
21	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
22	Dimmer Fine	0	Fine byte of Dimmer
23	Zoom	127	
24	Zoom Fine	127	Fine byte of Zoom
25	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
26	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function

31 CH STD CMY (continued)

Ch	Function	Default	DMX values
27	Effect	0	0–9 No Function 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No Function
28	Effect Speed	0	
29	Effects1Fade	0	
30	Position MSpeed	0	
31	Function	0	

31 CH STD RGBW

31 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Red	0	0–254 Red Min 255–255 Red Max
6	Green	0	0–254 Green Min 255–255 Green Max
7	Blue	0	0–254 Blue Min 255–255 Blue Max
8	White	0	0–254 White Min 255–255 White Max
9	Color Wheel	0	
10	Color Wheel 2	0	0–0 No Function (wheel slot 1) 1–60 2700 (wheel slot 5) 61–179 3000 (wheel slot 8) 180–201 3200 (wheel slot 10) 202–207 4000 (wheel slot 18) 208–229 4500 (wheel slot 23) 230–234 5000 (wheel slot 28) 235–239 5600 (wheel slot 34) 240–244 6500 (wheel slot 43) 245–249 8000K (wheel slot 58) 250–255 10000K (wheel slot 64)
11	Color3	0	

31 CH STD RGBW (continued)

Ch	Function	Default	DMX values
12	Color4	0	
13	Color5	0	
14	Effect	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
15	Effect Speed	0	
16	Effects1Fade	0	
17	Effect 2	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
18	Effect Speed 2	0	
19	Effects2Fade	0	
20	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
21	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
22	Dimmer Fine	0	Fine byte of Dimmer
23	Zoom	127	
24	Zoom Fine	127	Fine byte of Zoom

31 CH STD RGBW (continued)

Ch	Function	Default	DMX values
25	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
26	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function
27	Effect	0	0–9 No Function 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No Function
28	Effect Speed	0	
29	Effects1Fade	0	
30	Position MSpeed	0	
31	Function	0	

34 CH

34 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Cyan	0	0–254 Cyan Min 255–255 Cyan Max
6	Cyan Fine	0	Fine byte of Cyan
7	Magenta	0	0–254 Magenta Min 255–255 Magenta Max
8	Magenta Fine	0	Fine byte of Magenta
9	Yellow	0	0–254 Yellow Min 255–255 Yellow Max
10	Yellow Fine	0	Fine byte of Yellow
11	Color Wheel	0	
12	Color Wheel 2	0	0–0 No Function (wheel slot 1) 1–60 2700 (wheel slot 5) 61–179 3000 (wheel slot 8) 180–201 3200 (wheel slot 10) 202–207 4000 (wheel slot 18) 208–229 4500 (wheel slot 23) 230–234 5000 (wheel slot 28) 235–239 5600 (wheel slot 34) 240–244 6500 (wheel slot 43) 245–249 8000K (wheel slot 58) 250–255 10000K (wheel slot 64)
13	Color3	0	
14	Color4	0	
15	Color5	0	
16	Effect	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
17	Effect Speed	0	
18	Effects1Fade	0	
19	Effect 2	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
20	Effect Speed 2	0	
21	Effects2Fade	0	

34 CH (continued)

Ch	Function	Default	DMX values
22	Tint	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
23	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
24	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
25	Dimmer Fine	0	Fine byte of Dimmer
26	Zoom	127	
27	Zoom Fine	127	Fine byte of Zoom
28	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
29	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function

34 CH (continued)

Ch	Function	Default	DMX values
30	Effect	0	0–9 No Function 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No Function
31	Effect Speed	0	
32	Effects1Fade	0	
33	Position MSpeed	0	
34	Function	0	

40 CH

40 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Red	0	0–254 Red 1 Min 255–255 Red 1 Max
6	Green	0	0–254 Green 1 Min 255–255 Green 1 Max
7	Blue	0	0–254 Blue 1 Min 255–255 Blue1 Max
8	Color Add GY	0	0–254 Lime 1 Min 255–255 Lime 1 Max
9	Red	0	0–254 Red 2 Min 255–255 Red 2 Max
10	Green	0	0–254 Green 2 Min 255–255 Green 2 Max
11	Blue	0	0–254 Blue 2 Min 255–255 Blue 2 Max
12	Color Add GY	0	0–254 Lime 2 Min 255–255 Lime 2 Max
13	Red	0	0–254 Red 3 Min 255–255 Red 3 Max
14	Green	0	0–254 Green 3 Min 255–255 Green 3 Max

40 CH (continued)

Ch	Function	Default	DMX values
15	Blue	0	0–254 Blue 3 Min 255–255 Blue 3 Max
16	Color Add GY	0	0–254 Lime 3 Min 255–255 Lime 3 Max
17	Color Wheel	0	
18	Color Wheel 2	0	0–0 No Function (wheel slot 1) 1–60 2700 (wheel slot 5) 61–179 3000 (wheel slot 8) 180–201 3200 (wheel slot 10) 202–207 4000 (wheel slot 18) 208–229 4500 (wheel slot 23) 230–234 5000 (wheel slot 28) 235–239 5600 (wheel slot 34) 240–244 6500 (wheel slot 43) 245–249 8000K (wheel slot 58) 250–255 10000K (wheel slot 64)
19	Color3	0	
20	Color4	0	
21	Color5	0	
22	Effect	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
23	Effect Speed	0	
24	Effects1Fade	0	
25	Effect 2	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
26	Effect Speed 2	0	
27	Effects2Fade	0	
28	Tint	128	0–0 Idle 1–127 Full Minus Green to Neutral 128–128 Neutral White 129–255 Neutral to Full Plus Green
29	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)

40 CH (continued)

Ch	Function	Default	DMX values
30	Dimmer	0	0–62 0 percent 63–126 25 percent 127–190 50 percent 191–254 75 percent 255–255 100 percent
31	Dimmer Fine	0	Fine byte of Dimmer
32	Zoom	127	
33	Zoom Fine	127	Fine byte of Zoom
34	Dimmer Mode	0	0–20 Default to unit setting 21–40 Standard 41–60 Stage 61–80 TV 81–100 Architectural 101–120 Theatre 121–140 Stage 2 141–141 0/1s Delay 142–142 0/2s Delay 143–143 0/3s Delay 144–144 0/4s Delay 145–145 0/5s Delay 146–146 0/6s Delay 147–147 0/7s Delay 148–148 0/8s Delay 149–149 0/9s Delay 150–150 1s Delay 151–151 1/5s Delay 152–152 2s Delay 153–153 3s Delay 154–154 4s Delay 155–155 5s Delay 156–156 6s Delay 157–157 7s Delay 158–158 8s Delay 159–159 9s Delay 160–160 10s Delay 161–255 Default
35	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function

40 CH (continued)

Ch	Function	Default	DMX values
36	Effect	0	0–9 No Function 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No Function
37	Effect Speed	0	
38	Effects1Fade	0	
39	Position MSpeed	0	
40	Function	0	

104 CH

104 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	
4	Tilt Fine	127	Fine byte of Tilt
5	Reserved 5	0	
6	Reserved 6	0	
7	Reserved 7	0	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	

104 CH (continued)

Ch	Function	Default	DMX values
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	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	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	

104 CH (continued)

Ch	Function	Default	DMX values
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	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Color Wheel	0	
82	Color Wheel 2	0	0–0 No Function (wheel slot 1) 1–60 2700 (wheel slot 5) 61–179 3000 (wheel slot 8) 180–201 3200 (wheel slot 10) 202–207 4000 (wheel slot 18) 208–229 4500 (wheel slot 23) 230–234 5000 (wheel slot 28) 235–239 5600 (wheel slot 34) 240–244 6500 (wheel slot 43) 245–249 8000K (wheel slot 58) 250–255 10000K (wheel slot 64)
83	Color3	0	
84	Color4	0	
85	Color5	0	
86	Effect	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
87	Effect Speed	0	
88	Effects1Fade	0	
89	Effect 2	0	0–0 Open 1–60 Macro 1 61–179 Macro 2 180–201 Macro 3 202–207 Macro 4 208–229 Macro 5 230–234 Macro 6 235–239 Macro 7 240–244 Macro 8 245–255 No Function
90	Effect Speed 2	0	
91	Effects2Fade	0	

104 CH (continued)

Ch	Function	Default	DMX values
92	Tint	128	
93	Shutter / Strobe	50	0–31 Shutter Closed 32–63 No Function (Shutter Open) 64–95 Strobe Effect Slow to Fast 96–127 No Function (Shutter Open) 128–159 Pulse-Effect in Sequences 160–191 No Function (Shutter Open) 192–223 Random Strobe Effect Slow to Fast 224–255 No Function (Shutter Open)
94	Dimmer	0	
95	Dimmer Fine	0	Fine byte of Dimmer
96	Zoom	127	
97	Zoom Fine	127	Fine byte of Zoom
98	Dimmer Mode	0	
99	Dimmer Curve	0	
100	Effect	0	0–9 No Function 10–19 Program 1 20–29 Program 2 30–39 Program 3 40–49 Program 4 50–59 Program 5 60–69 Program 6 70–79 Program 7 80–89 Program 8 90–99 Program 9 100–109 Program 10 110–119 Program 11 120–129 Program 12 130–139 Program 13 140–149 Program 14 150–159 Program 15 160–169 Program 16 170–179 Program 17 180–189 Program 18 190–199 Program 19 200–209 Program 20 210–255 No Function
101	Effect Speed	0	
102	Effects1Fade	0	
103	Position MSpeed	0	
104	Function	0	