ADJ

Hydro Wash X19



Manufacturer	**ADJ**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**16, 20, 26, 30, 88, 90 channels**
Beam angle	**6-40°**
Pan range	**540°**
Tilt range	**265°**
Heads / cells	**4**
Size (W × H × D)	**276 × 269 × 276 mm**
GDTF fixture type	**1E5B8B8B-A77C-4366-AB06-7B…**

Controls

Zoom · Extra LED colours · RGB colour mixing · 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

16CH	16 ch
20CH	20 ch
26CH	26 ch
30CH	30 ch
88CH	88 ch
90CH	90 ch

16CH

16 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	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
6	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
7	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	White	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	C TO	0	0–0 Off 1–255 Linear From 2700K to 7000K
10	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)
11	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
12	Dimmer Fine	0	Fine byte of Dimmer
13	Zoom	127	

16CH (continued)

Ch	Function	Default	DMX values
14	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0/1s Delay 122–122 0/2s Delay 123–123 0/3s Delay 124–124 0/4s Delay 125–125 0/5s Delay 126–126 0/6s Delay 127–127 0/7s Delay 128–128 0/8s Delay 129–129 0/9s Delay 130–130 1s Delay 131–131 1/5s Delay 132–132 2s Delay 133–133 3s Delay 134–134 4s Delay 135–135 5s Delay 136–136 6s Delay 137–137 7s Delay 138–138 8s Delay 139–139 9s Delay 140–140 10s Delay 141–255 Default
15	Position MSpeed	0	
16	Function	0	0–10 Default refresh rates (1200) 11–11 900 Hz 12–12 1000 Hz 13–13 1110 Hz 14–14 1300 Hz 15–15 1400 Hz 16–16 1500 Hz 17–17 2500 Hz 18–18 4000 Hz 19–19 5000 Hz 20–20 6000 Hz 21–21 10000 Hz 22–22 15000 Hz 23–23 Disable LED refresh Rates 24–79 No Function 80–89 Enable blackout while pan/tilt moving 90–99 Disable blackout while pan/tilt moving 100–139 No Function 140–149 Reset Pan/Tilt 150–159 Reset Zoom 160–199 No Function 200–209 Reset All 210–255 No function

20CH

20 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

20CH (continued)

Ch	Function	Default	DMX values
5	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
6	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
7	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
8	White	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	C TO	0	0–0 Off 1–255 Linear From 2700K to 7000K
10	Effect	0	0–14 No Function 15–30 Program 1 31–46 Program 2 47–62 Program 3 63–78 Program 4 79–94 Program 5 95–110 Program 6 111–126 Program 7 127–142 Program 8 143–158 Program 9 159–174 Program 10 175–190 Program 11 191–206 Program 12 207–222 Program 13 223–238 Program 14 239–255 Program 15
11	Effect Speed	0	0–125 Backward fast to slow 126–130 Stop 131–255 Forward slow to fast
12	Effects1Fade	0	
13	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)
14	Dimmer	0	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
15	Dimmer Fine	0	Fine byte of Dimmer
16	Zoom	127	

20CH (continued)

Ch	Function	Default	DMX values
17	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
18	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function
19	Position MSpeed	0	
20	Function	0	0–10 Default refresh rates (1200) 11–11 900 Hz 12–12 1000 Hz 13–13 1110 Hz 14–14 1300 Hz 15–15 1400 Hz 16–16 1500 Hz 17–17 2500 Hz 18–18 4000 Hz 19–19 5000 Hz 20–20 6000 Hz 21–21 10000 Hz 22–22 15000 Hz 23–23 Disable LED refresh Rates 24–79 No Function 80–89 Enable blackout while pan/tilt moving 90–99 Disable blackout while pan/tilt moving 100–139 No Function 140–149 Reset Pan/Tilt 150–159 Reset Zoom 160–199 No Function 200–209 Reset All 210–255 No function

26CH

26 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	Color Wheel	0	0–2 Open (wheel slot 1) 3–4 Color 1 (wheel slot 2) 5–6 Color 2 (wheel slot 3) 7–8 Color 3 (wheel slot 4) 9–10 Color 4 (wheel slot 5) 11–12 Color 5 (wheel slot 6) 13–14 Color 6 (wheel slot 7) 15–16 Color 7 (wheel slot 8) 17–18 Color 8 (wheel slot 9) 19–21 Color 9 (wheel slot 10) 22–23 Color 10 (wheel slot 11) 24–25 Color 11 (wheel slot 12) 26–27 Color 12 (wheel slot 13) 28–29 Color 13 (wheel slot 14) 30–31 Color 14 (wheel slot 15) 32–33 Color 15 (wheel slot 16) 34–35 Color 16 (wheel slot 17) 36–37 Color 17 (wheel slot 18) 38–39 Color 18 (wheel slot 19) 40–42 Color 19 (wheel slot 20) 43–44 Color 20 (wheel slot 21) 45–46 Color 21 (wheel slot 22) 47–48 Color 22 (wheel slot 23) 49–50 Color 23 (wheel slot 24) 51–52 Color 24 (wheel slot 25) 53–54 Color 25 (wheel slot 26) 55–56 Color 26 (wheel slot 27) 57–58 Color 27 (wheel slot 28) 59–60 Color 28 (wheel slot 29) 61–63 Color 29 (wheel slot 30) 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
6	Color5	0	
7	C TO	0	0–0 Off 1–255 Linear From 2700K to 7000K
8	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
10	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %

26CH (continued)

Ch	Function	Default	DMX values
11	White	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
12	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
13	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
14	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
15	White	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
16	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
17	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
18	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
19	White	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
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 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
22	Dimmer Fine	0	Fine byte of Dimmer

26CH (continued)

Ch	Function	Default	DMX values
23	Zoom	127	
24	Dimmer Mode	0	0–20 Standard 21–40 Stage 41–60 TV 61–80 Architectural 81–100 Theatre 101–120 Stage 2 121–121 0/1s Delay 122–122 0/2s Delay 123–123 0/3s Delay 124–124 0/4s Delay 125–125 0/5s Delay 126–126 0/6s Delay 127–127 0/7s Delay 128–128 0/8s Delay 129–129 0/9s Delay 130–130 1s Delay 131–131 1/5s Delay 132–132 2s Delay 133–133 3s Delay 134–134 4s Delay 135–135 5s Delay 136–136 6s Delay 137–137 7s Delay 138–138 8s Delay 139–139 9s Delay 140–140 10s Delay 141–255 Default
25	Position MSpeed	0	
26	Function	0	0–10 Default refresh rates (1200) 11–11 900 Hz 12–12 1000 Hz 13–13 1110 Hz 14–14 1300 Hz 15–15 1400 Hz 16–16 1500 Hz 17–17 2500 Hz 18–18 4000 Hz 19–19 5000 Hz 20–20 6000 Hz 21–21 10000 Hz 22–22 15000 Hz 23–23 Disable LED refresh Rates 24–79 No Function 80–89 Enable blackout while pan/tilt moving 90–99 Disable blackout while pan/tilt moving 100–139 No Function 140–149 Reset Pan/Tilt 150–159 Reset Zoom 160–199 No Function 200–209 Reset All 210–255 No function

30CH

30 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	127	

30CH (continued)

Ch	Function	Default	DMX values
4	Tilt Fine	127	Fine byte of Tilt
5	Color Wheel	0	0–2 Open (wheel slot 1) 3–4 Color 1 (wheel slot 2) 5–6 Color 2 (wheel slot 3) 7–8 Color 3 (wheel slot 4) 9–10 Color 4 (wheel slot 5) 11–12 Color 5 (wheel slot 6) 13–14 Color 6 (wheel slot 7) 15–16 Color 7 (wheel slot 8) 17–18 Color 8 (wheel slot 9) 19–21 Color 9 (wheel slot 10) 22–23 Color 10 (wheel slot 11) 24–25 Color 11 (wheel slot 12) 26–27 Color 12 (wheel slot 13) 28–29 Color 13 (wheel slot 14) 30–31 Color 14 (wheel slot 15) 32–33 Color 15 (wheel slot 16) 34–35 Color 16 (wheel slot 17) 36–37 Color 17 (wheel slot 18) 38–39 Color 18 (wheel slot 19) 40–42 Color 19 (wheel slot 20) 43–44 Color 20 (wheel slot 21) 45–46 Color 21 (wheel slot 22) 47–48 Color 22 (wheel slot 23) 49–50 Color 23 (wheel slot 24) 51–52 Color 24 (wheel slot 25) 53–54 Color 25 (wheel slot 26) 55–56 Color 26 (wheel slot 27) 57–58 Color 27 (wheel slot 28) 59–60 Color 28 (wheel slot 29) 61–63 Color 29 (wheel slot 30) 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
6	Color5	0	
7	C TO	0	0–0 Off 1–255 Linear From 2700K to 7000K
8	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
9	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
10	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
11	White	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %

30CH (continued)

Ch	Function	Default	DMX values
12	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
13	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
14	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
15	White	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
16	Red	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
17	Green	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
18	Blue	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
19	White	255	0–62 0 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
20	Effect	0	0–14 No Function 15–30 Program 1 31–46 Program 2 47–62 Program 3 63–78 Program 4 79–94 Program 5 95–110 Program 6 111–126 Program 7 127–142 Program 8 143–158 Program 9 159–174 Program 10 175–190 Program 11 191–206 Program 12 207–222 Program 13 223–238 Program 14 239–255 Program 15
21	Effect Speed	0	0–125 Backward fast to slow 126–130 Stop 131–255 Forward slow to fast

30CH (continued)

Ch	Function	Default	DMX values
22	Effects1Fade	0	
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 % 63–126 25 % 127–190 50 % 191–254 75 % 255–255 100 %
25	Dimmer Fine	0	Fine byte of Dimmer
26	Zoom	127	
27	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
28	Dimmer Curve	0	0–20 Square 21–40 Linear 41–60 Inverted Square 61–80 S Curve 81–255 No function
29	Position MSpeed	0	

30CH (continued)

Ch	Function	Default	DMX values
30	Function	0	0–10 Default refresh rates (1200) 11–11 900 Hz 12–12 1000 Hz 13–13 1110 Hz 14–14 1300 Hz 15–15 1400 Hz 16–16 1500 Hz 17–17 2500 Hz 18–18 4000 Hz 19–19 5000 Hz 20–20 6000 Hz 21–21 10000 Hz 22–22 15000 Hz 23–23 Disable LED refresh Rates 24–79 No Function 80–89 Enable blackout while pan/tilt moving 90–99 Disable blackout while pan/tilt moving 100–139 No Function 140–149 Reset Pan/Tilt 150–159 Reset Zoom 160–199 No Function 200–209 Reset All 210–255 No function

88CH

88 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	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	

88CH (continued)

Ch	Function	Default	DMX values
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	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	

88CH (continued)

Ch	Function	Default	DMX values
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	C TO	0	
82	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)
83	Dimmer	0	
84	Dimmer Fine	0	Fine byte of Dimmer
85	Zoom	127	
86	Dimmer Mode	0	
87	Position MSpeed	0	
88	Function	0	

90CH

90 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

90CH (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–2 Open (wheel slot 1) 3–4 Color 1 (wheel slot 2) 5–6 Color 2 (wheel slot 3) 7–8 Color 3 (wheel slot 4) 9–10 Color 4 (wheel slot 5) 11–12 Color 5 (wheel slot 6) 13–14 Color 6 (wheel slot 7) 15–16 Color 7 (wheel slot 8) 17–18 Color 8 (wheel slot 9) 19–21 Color 9 (wheel slot 10) 22–23 Color 10 (wheel slot 11) 24–25 Color 11 (wheel slot 12) 26–27 Color 12 (wheel slot 13) 28–29 Color 13 (wheel slot 14) 30–31 Color 14 (wheel slot 15) 32–33 Color 15 (wheel slot 16) 34–35 Color 16 (wheel slot 17) 36–37 Color 17 (wheel slot 18) 38–39 Color 18 (wheel slot 19) 40–42 Color 19 (wheel slot 20) 43–44 Color 20 (wheel slot 21) 45–46 Color 21 (wheel slot 22) 47–48 Color 22 (wheel slot 23) 49–50 Color 23 (wheel slot 24) 51–52 Color 24 (wheel slot 25) 53–54 Color 25 (wheel slot 26) 55–56 Color 26 (wheel slot 27) 57–58 Color 27 (wheel slot 28) 59–60 Color 28 (wheel slot 29) 61–63 Color 29 (wheel slot 30) 128–189 CW Fast to Slow 190–193 Stop 194–255 CCW Slow to Fast
6	Color5	0	
7	C TO	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	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	

90CH (continued)

Ch	Function	Default	DMX values
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	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	

90CH (continued)

Ch	Function	Default	DMX values
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	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	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)
85	Dimmer	0	
86	Dimmer Fine	0	Fine byte of Dimmer
87	Zoom	127	
88	Dimmer Mode	0	
89	Position MSpeed	0	
90	Function	0	