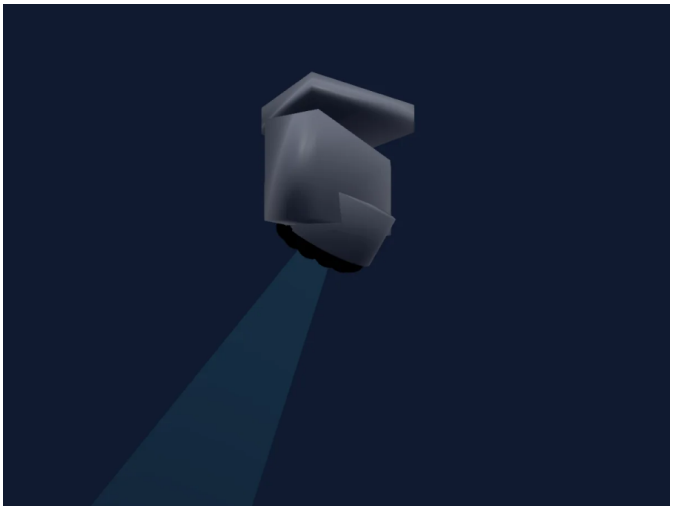
BeamZ Pro

Nereid 1940 IP65



Manufacturer	**BeamZ Pro**
Type	**Moving head**
DMX modes	**5**
DMX footprint	**21, 35, 78, 111 channels**
Beam angle	**6-40°**
Pan range	**540°**
Tilt range	**180°**
Heads / cells	**21**
Size (W × H × D)	**300 × 150 × 300 mm**
GDTF fixture type	**73D95EB1-D748-42A0-AD10-44…**

Controls

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

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

21 CH	21 ch
35 CH	35 ch
78 CH + Virtual Dmmer	78 ch
111 CH	111 ch
111 CH + Virtual Dimmer	111 ch

21 CH

21 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red
3	Green	0	
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	C TC	0	0–9 No Function 10–10 CTC Min 11–132 CTC Min>Medium 133–133 CTC Medium 134–254 CTC Medium>Max 255–255 CTC Max
10	Color Macro1	0	0–9 Idle 10–19 Color Macro 1 20–29 Color Macro 2 30–39 Color Macro 3 40–49 Color Macro 4 50–59 Color Macro 5 60–69 Color Macro 6 70–79 Color Macro 7 80–89 Color Macro 8 90–99 Color Macro 9 100–110 Color Macro 10 111–255 No Function
11	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
12	Dimmer	0	
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	128	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	128	Fine byte of Tilt
18	Dummy	0	
19	Control1	0	0–25 No Function 26–76 Motor reset 77–127 XY motor reset 128–255 All reset

21 CH (continued)

Ch	Function	Default	DMX values
20	Zoom	128	0–0 Zoom Min 1–127 Zoom Min>Medium 128–128 Zoom Medium 129–254 Zoom Medium>Max 255–255 Zoom Max
21	Beam Shaper Pos	0	0–0 Idle 1–1 BeamShaper INDEX -180 2–63 BeamShaper INDEX -180>000 64–64 BeamShaper INDEX 000 65–126 BeamShaper INDEX 000>180 127–127 BeamShaper INDEX 180 128–128 BeamShaper ROTATE CCW Max 129–188 BeamShaper ROTATE CCW Max>Min 189–193 BeamShaper ROTATE STOP 194–254 BeamShaper ROTATE CW Min>Max 255–255 BeamShaper ROTATE CW Max

35 CH

35 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red
3	Green	0	
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	C TC	0	0–9 No Function 10–10 CTC Min 11–132 CTC Min>Medium 133–133 CTC Medium 134–254 CTC Medium>Max 255–255 CTC Max
10	Color Macro1	0	0–9 Idle 10–19 Color Macro 1 20–29 Color Macro 2 30–39 Color Macro 3 40–49 Color Macro 4 50–59 Color Macro 5 60–69 Color Macro 6 70–79 Color Macro 7 80–89 Color Macro 8 90–99 Color Macro 9 100–110 Color Macro 10 111–255 No Function

35 CH (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
12	Dimmer	0	
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	128	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	128	Fine byte of Tilt
18	Dummy	0	
19	Control1	0	0–25 No Function 26–76 Motor reset 77–127 XY motor reset 128–255 All reset
20	Zoom	128	0–0 Zoom Min 1–127 Zoom Min>Medium 128–128 Zoom Medium 129–254 Zoom Medium>Max 255–255 Zoom Max
21	Beam Shaper Pos	0	0–0 Idle 1–1 BeamShaper INDEX -180 2–63 BeamShaper INDEX -180>000 64–64 BeamShaper INDEX 000 65–126 BeamShaper INDEX 000>180 127–127 BeamShaper INDEX 180 128–128 BeamShaper ROTATE CCW Max 129–188 BeamShaper ROTATE CCW Max>Min 189–193 BeamShaper ROTATE STOP 194–254 BeamShaper ROTATE CW Min>Max 255–255 BeamShaper ROTATE CW Max

35 CH (continued)

Ch	Function	Default	DMX values
22	Effect	0	0–7 Idle 8–11 Macro 1 12–16 Macro 2 17–21 Macro 3 22–26 Macro 4 27–31 Macro 5 32–36 Macro 6 37–41 Macro 7 42–46 Macro 8 47–51 Macro 9 52–56 Macro 10 57–61 Macro 11 62–66 Macro 12 67–71 Macro 13 72–76 Macro 14 77–81 Macro 15 82–86 Macro 16 87–91 Macro 17 92–96 Macro 18 97–101 Macro 19 102–106 Macro 20 107–111 Macro 21 112–116 Macro 22 117–121 Macro 23 122–126 Macro 24 127–131 Macro 25 132–136 Macro 26 137–141 Macro 27 142–146 Macro 28 147–151 Macro 29 152–156 Macro 30 157–161 Macro 31 162–166 Macro 32 167–171 Macro 33 172–176 Macro 34 177–181 Macro 35 182–186 Macro 36 187–191 Macro 37 192–196 Macro 38 197–201 Macro 39 202–206 Macro 40 207–211 Macro 41 212–216 Macro 42 217–221 Macro 43 222–226 Macro 44 227–231 Macro 45 232–236 Macro 46 237–241 Macro 47 242–246 Macro 48 247–251 Macro 49 252–255 Macro 50
23	Effect Speed	0	0–0 Index -180 1–31 Index -179>001 32–32 Index 000 33–62 Index 001>179 63–63 Index 180 64–64 Rotate CW Max 65–158 Rotate CW Max>Min 159–160 Rotate STOP 161–254 Rotate CCW Min>Max 255–255 Rotate CCW Max
24	Effects1Fade	0	

35 CH (continued)

Ch	Function	Default	DMX values
25	Red	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
26	Green	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
27	Blue	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
28	White	255	0–0 Min 1–127 Min>Medium 128–128 Medium 129–254 Medium>Max 255–255 Max
29	Dimmer	0	0–0 Dimmer Min 1–127 Dimmer Min>Medium 128–128 Dimmer Medium 129–254 Dimmer Medium>Max 255–255 Dimmer Max
30	Dimmer	0	0–0 Dimmer Min 1–127 Dimmer Min>Medium 128–128 Dimmer Medium 129–254 Dimmer Medium>Max 255–255 Dimmer Max
31	Effects1Adjust1	0	
32	Effects Sync	0	
33	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN

35 CH (continued)

Ch	Function	Default	DMX values
34	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
35	Pixel Mode	0	0–7 Idle 8–8 No Function 9–9 Ring 1 10–10 Ring 2 11–11 Ring 3 12–12 Ring 1/3 13–13 Ring 1/2 14–14 Ring 1/2/3 15–15 Ring 2/3 16–254 Ring 1/2/3 255–255 Mirror Effect

78 CH + Virtual Dmmer

78 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red
3	Green	0	
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	C TC	0	
10	Color Macro1	0	

78 CH + Virtual Dmmer (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
12	Dimmer	0	
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	128	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	128	Fine byte of Tilt
18	Pixel Mode	0	
19	Control1	0	
20	Zoom	128	
21	Beam Shaper Pos	0	
22	Red	255	
23	Green	255	
24	Blue	255	
25	Red	255	
26	Green	255	
27	Blue	255	
28	Red	255	
29	Green	255	
30	Blue	255	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Red	255	
35	Green	255	
36	Blue	255	
37	Red	255	
38	Green	255	
39	Blue	255	
40	Red	255	
41	Green	255	
42	Blue	255	
43	Red	255	
44	Green	255	

78 CH + Virtual Dmmer (continued)

Ch	Function	Default	DMX values
45	Blue	255	
46	Red	255	
47	Green	255	
48	Blue	255	
49	Red	255	
50	Green	255	
51	Blue	255	
52	Red	255	
53	Green	255	
54	Blue	255	
55	Red	255	
56	Green	255	
57	Blue	255	
58	Red	255	
59	Green	255	
60	Blue	255	
61	Red	255	
62	Green	255	
63	Blue	255	
64	Red	255	
65	Green	255	
66	Blue	255	
67	Red	255	
68	Green	255	
69	Blue	255	
70	Red	255	
71	Green	255	
72	Blue	255	
73	Red	255	
74	Green	255	
75	Blue	255	
76	Red	255	
77	Green	255	
78	Blue	255	

111 CH

111 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red
3	Green	0	
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	

111 CH (continued)

Ch	Function	Default	DMX values
8	White Fine	0	Fine byte of White
9	C TC	0	
10	Color Macro1	0	
11	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
12	Dimmer	0	
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	128	Fine byte of Pan
16	Tilt	128	
17	Tilt Fine	128	Fine byte of Tilt
18	Pixel Mode	0	
19	Control1	0	
20	Zoom	128	
21	Beam Shaper Pos	0	

111 CH (continued)

Ch	Function	Default	DMX values
22	Effect	0	0–7 Idle 8–11 Macro 1 12–16 Macro 2 17–21 Macro 3 22–26 Macro 4 27–31 Macro 5 32–36 Macro 6 37–41 Macro 7 42–46 Macro 8 47–51 Macro 9 52–56 Macro 10 57–61 Macro 11 62–66 Macro 12 67–71 Macro 13 72–76 Macro 14 77–81 Macro 15 82–86 Macro 16 87–91 Macro 17 92–96 Macro 18 97–101 Macro 19 102–106 Macro 20 107–111 Macro 21 112–116 Macro 22 117–121 Macro 23 122–126 Macro 24 127–131 Macro 25 132–136 Macro 26 137–141 Macro 27 142–146 Macro 28 147–151 Macro 29 152–156 Macro 30 157–161 Macro 31 162–166 Macro 32 167–171 Macro 33 172–176 Macro 34 177–181 Macro 35 182–186 Macro 36 187–191 Macro 37 192–196 Macro 38 197–201 Macro 39 202–206 Macro 40 207–211 Macro 41 212–216 Macro 42 217–221 Macro 43 222–226 Macro 44 227–231 Macro 45 232–236 Macro 46 237–241 Macro 47 242–246 Macro 48 247–251 Macro 49 252–255 Macro 50
23	Effect Speed	0	
24	Effects1Fade	0	
25	Red	255	
26	Green	255	
27	Blue	255	
28	White	255	
29	Dimmer	0	
30	Dimmer	0	

111 CH (continued)

Ch	Function	Default	DMX values
31	Effects1Adjust1	0	
32	Effects Sync	0	
33	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
34	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
35	Pixel Mode	0	
36	Red	255	
37	Green	255	
38	Blue	255	
39	White	255	
40	Red	255	
41	Green	255	
42	Blue	255	
43	White	255	
44	Red	255	
45	Green	255	
46	Blue	255	
47	White	255	
48	Red	255	
49	Green	255	
50	Blue	255	
51	White	255	
52	Red	255	

111 CH (continued)

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

111 CH (continued)

Ch	Function	Default	DMX values
98	Blue	255	
99	White	255	
100	Red	255	
101	Green	255	
102	Blue	255	
103	White	255	
104	Red	255	
105	Green	255	
106	Blue	255	
107	White	255	
108	Red	255	
109	Green	255	
110	Blue	255	
111	White	255	

111 CH + Virtual Dimmer

111 channels

Ch	Function	Default	DMX values
1	Red	0	
2	Red Fine	0	Fine byte of Red
3	Green	0	
4	Green Fine	0	Fine byte of Green
5	Blue	0	
6	Blue Fine	0	Fine byte of Blue
7	White	0	
8	White Fine	0	Fine byte of White
9	C TC	0	
10	Color Macro1	0	
11	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
12	Dimmer	0	
13	Dimmer Fine	0	Fine byte of Dimmer
14	Pan	128	
15	Pan Fine	128	Fine byte of Pan
16	Tilt	128	

111 CH + Virtual Dimmer (continued)

Ch	Function	Default	DMX values
17	Tilt Fine	128	Fine byte of Tilt
18	Pixel Mode	0	
19	Control1	0	
20	Zoom	128	
21	Beam Shaper Pos	0	
22	Effect	0	0–7 Idle 8–11 Macro 1 12–16 Macro 2 17–21 Macro 3 22–26 Macro 4 27–31 Macro 5 32–36 Macro 6 37–41 Macro 7 42–46 Macro 8 47–51 Macro 9 52–56 Macro 10 57–61 Macro 11 62–66 Macro 12 67–71 Macro 13 72–76 Macro 14 77–81 Macro 15 82–86 Macro 16 87–91 Macro 17 92–96 Macro 18 97–101 Macro 19 102–106 Macro 20 107–111 Macro 21 112–116 Macro 22 117–121 Macro 23 122–126 Macro 24 127–131 Macro 25 132–136 Macro 26 137–141 Macro 27 142–146 Macro 28 147–151 Macro 29 152–156 Macro 30 157–161 Macro 31 162–166 Macro 32 167–171 Macro 33 172–176 Macro 34 177–181 Macro 35 182–186 Macro 36 187–191 Macro 37 192–196 Macro 38 197–201 Macro 39 202–206 Macro 40 207–211 Macro 41 212–216 Macro 42 217–221 Macro 43 222–226 Macro 44 227–231 Macro 45 232–236 Macro 46 237–241 Macro 47 242–246 Macro 48 247–251 Macro 49 252–255 Macro 50
23	Effect Speed	0	
24	Effects1Fade	0	
25	Red	255	

111 CH + Virtual Dimmer (continued)

Ch	Function	Default	DMX values
26	Green	255	
27	Blue	255	
28	White	255	
29	Dimmer	0	
30	Dimmer	0	
31	Effects1Adjust1	0	
32	Effects Sync	0	
33	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
34	Shutter / Strobe	255	0–3 CLOSED 4–4 Strobe Min 5–53 Strobe Min>Medium 54–54 Strobe Medium 55–102 Strobe Medium>Max 103–103 Strobe Max 104–107 OPEN 108–108 Pulse Min 109–157 Pulse Min>Medium 158–158 Pulse Medium 159–206 Pulse Medium>Max 207–207 Pulse Max 208–212 OPEN 213–225 Random Min 226–238 Random Medium 239–251 Random Max 252–255 OPEN
35	Pixel Mode	0	
36	Red	255	
37	Green	255	
38	Blue	255	
39	White	255	
40	Red	255	
41	Green	255	
42	Blue	255	
43	White	255	
44	Red	255	
45	Green	255	
46	Blue	255	
47	White	255	

111 CH + Virtual Dimmer (continued)

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

111 CH + Virtual Dimmer (continued)

Ch	Function	Default	DMX values
93	Green	255	
94	Blue	255	
95	White	255	
96	Red	255	
97	Green	255	
98	Blue	255	
99	White	255	
100	Red	255	
101	Green	255	
102	Blue	255	
103	White	255	
104	Red	255	
105	Green	255	
106	Blue	255	
107	White	255	
108	Red	255	
109	Green	255	
110	Blue	255	
111	White	255	