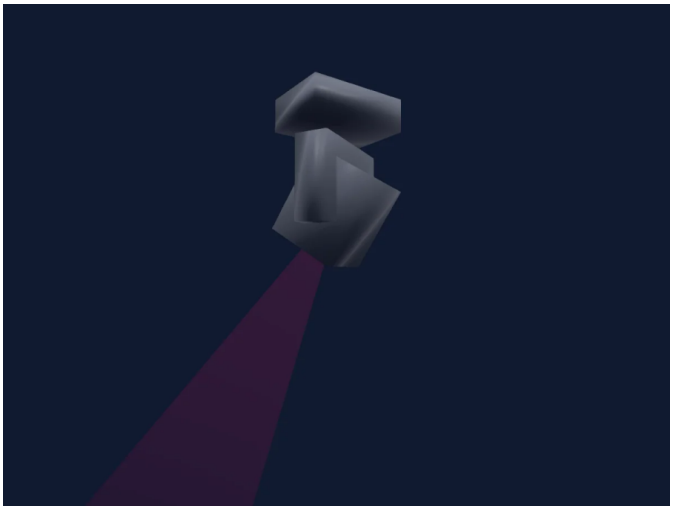
Stage4

broSPOT 180Z



Manufacturer	**Stage4**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**15, 16, 17, 18, 19, 20 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**220 × 270 × 210 mm**
GDTF fixture type	**0A778C8C-90E5-4CE5-8C46-35…**

Controls

Focus · Frost · Prism rotation · Zoom · Colour wheel · Dimmer · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

15ch	15 ch
16ch	16 ch
17ch	17 ch
18ch	18 ch
19ch	19 ch
20ch	20 ch

15ch

15 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Color Wheel	0	0–9 Open (wheel slot 1) 10–19 Color 1 (wheel slot 2) 20–29 Color 2 (wheel slot 3) 30–39 Color 3 (wheel slot 4) 40–49 Color 4 (wheel slot 5) 50–59 Color 5 (wheel slot 6) 60–69 Color 6 (wheel slot 7) 70–79 Color 7 (wheel slot 8) 80–89 Color 8 (wheel slot 9) 90–99 Color 9 (wheel slot 10) 100–127 Color 10 (wheel slot 11) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
4	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Shake Gobo 1 (wheel slot 2) 90–109 Shake Gobo 2 (wheel slot 3) 110–129 Shake Gobo 3 (wheel slot 4) 130–149 Shake Gobo 4 (wheel slot 5) 150–169 Shake Gobo 5 (wheel slot 6) 170–189 Shake Gobo 6 (wheel slot 7) 190–255 Rotation (wheel slot 1)
5	Gobo Rotation	0	0–127 Gobo Index 128–191 CW Rotation F>S 192–193 Stop 194–255 CCW Rotation S>F

15ch (continued)

Ch	Function	Default	DMX values
6	Gobo 2	0	0–4 Open (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–24 Gobo 4 (wheel slot 5) 25–29 Gobo 5 (wheel slot 6) 30–34 Gobo 6 (wheel slot 7) 35–39 Gobo 7 (wheel slot 8) 40–44 Gobo 8 (wheel slot 9) 45–49 Gobo 9 (wheel slot 10) 50–54 Gobo 10 (wheel slot 11) 55–59 Gobo 11 (wheel slot 12) 60–64 Gobo 12 (wheel slot 13) 65–69 Gobo 13 (wheel slot 14) 70–74 Gobo 14 (wheel slot 15) 75–79 Gobo15 (wheel slot 16) 80–84 Gobo 16 (wheel slot 17) 85–92 Shake Gobo 1 (wheel slot 2) 93–100 Shake Gobo 2 (wheel slot 3) 101–108 Shake Gobo 3 (wheel slot 4) 109–116 Shake Gobo 4 (wheel slot 5) 117–124 Shake Gobo 5 (wheel slot 6) 125–132 Shake Gobo 6 (wheel slot 7) 133–140 Shake Gobo 7 (wheel slot 8) 141–148 Shake Gobo 8 (wheel slot 9) 149–156 ShakeGobo 9 (wheel slot 10) 157–164 Shake Gobo 10 (wheel slot 11) 165–172 Shake Gobo 11 (wheel slot 12) 173–180 Shake Gobo 12 (wheel slot 13) 181–188 Shake Gobo 13 (wheel slot 14) 189–196 Shake Gobo 14 (wheel slot 15) 197–204 Shake Gobo15 (wheel slot 16) 205–212 Shake Gobo 16 (wheel slot 17) 213–255 Scroll
7	Strobe Mode Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–142 Min 143–143 Max 144–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
8	Dimmer	0	0–254 Closed 255–255 Open
9	Focus	0	
10	Focus Fine	0	Fine byte of Focus
11	Zoom	0	
12	Prism Rotation	0	0–5 Open (wheel slot 1) 6–127 Prism (wheel slot 2) 128–189 CW F>S (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 CCW S>F (wheel slot 2)
13	Frost1	0	0–199 Off 200–255 On

15ch (continued)

Ch	Function	Default	DMX values
14	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func
15	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 60–60 900Hz 61–61 1000Hz 62–62 1100Hz 63–63 1200Hz 64–64 1300Hz 65–65 1400Hz 66–66 1500Hz 67–67 2500Hz 68–68 4000Hz 69–69 5000Hz 70–70 10KHz 71–71 15KHz 72–72 20KHz 73–73 25KHz 74–79 No Func 80–84 Reset All 85–87 Rewset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Shutter 97–99 Reset Other 100–119 Programm 1 120–139 Programm 2 140–159 Programm 3 160–179 Programm 4 180–199 Programm 5 200–219 Programm 6 220–239 Programm 7 240–255 Sound

16ch

16 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	

16ch (continued)

Ch	Function	Default	DMX values
3	Color Wheel	0	0–9 Open (wheel slot 1) 10–19 Color 1 (wheel slot 2) 20–29 Color 2 (wheel slot 3) 30–39 Color 3 (wheel slot 4) 40–49 Color 4 (wheel slot 5) 50–59 Color 5 (wheel slot 6) 60–69 Color 6 (wheel slot 7) 70–79 Color 7 (wheel slot 8) 80–89 Color 8 (wheel slot 9) 90–99 Color 9 (wheel slot 10) 100–127 Color 10 (wheel slot 11) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
4	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Shake Gobo 1 (wheel slot 2) 90–109 Shake Gobo 2 (wheel slot 3) 110–129 Shake Gobo 3 (wheel slot 4) 130–149 Shake Gobo 4 (wheel slot 5) 150–169 Shake Gobo 5 (wheel slot 6) 170–189 Shake Gobo 6 (wheel slot 7) 190–255 Rotation (wheel slot 1)
5	Gobo Rotation	0	0–127 Gobo Index 128–191 CW Rotation F>S 192–193 Stop 194–255 CCW Rotation S>F

16ch (continued)

Ch	Function	Default	DMX values
6	Gobo 2	0	0–4 Open (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–24 Gobo 4 (wheel slot 5) 25–29 Gobo 5 (wheel slot 6) 30–34 Gobo 6 (wheel slot 7) 35–39 Gobo 7 (wheel slot 8) 40–44 Gobo 8 (wheel slot 9) 45–49 Gobo 9 (wheel slot 10) 50–54 Gobo 10 (wheel slot 11) 55–59 Gobo 11 (wheel slot 12) 60–64 Gobo 12 (wheel slot 13) 65–69 Gobo 13 (wheel slot 14) 70–74 Gobo 14 (wheel slot 15) 75–79 Gobo15 (wheel slot 16) 80–84 Gobo 16 (wheel slot 17) 85–92 Shake Gobo 1 (wheel slot 2) 93–100 Shake Gobo 2 (wheel slot 3) 101–108 Shake Gobo 3 (wheel slot 4) 109–116 Shake Gobo 4 (wheel slot 5) 117–124 Shake Gobo 5 (wheel slot 6) 125–132 Shake Gobo 6 (wheel slot 7) 133–140 Shake Gobo 7 (wheel slot 8) 141–148 Shake Gobo 8 (wheel slot 9) 149–156 ShakeGobo 9 (wheel slot 10) 157–164 Shake Gobo 10 (wheel slot 11) 165–172 Shake Gobo 11 (wheel slot 12) 173–180 Shake Gobo 12 (wheel slot 13) 181–188 Shake Gobo 13 (wheel slot 14) 189–196 Shake Gobo 14 (wheel slot 15) 197–204 Shake Gobo15 (wheel slot 16) 205–212 Shake Gobo 16 (wheel slot 17) 213–255 Scroll
7	Strobe Mode Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–142 Min 143–143 Max 144–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Focus	0	
11	Focus Fine	0	Fine byte of Focus
12	Zoom	0	
13	Prism Rotation	0	0–5 Open (wheel slot 1) 6–127 Prism (wheel slot 2) 128–189 CW F>S (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 CCW S>F (wheel slot 2)
14	Frost1	0	0–199 Off 200–255 On

16ch (continued)

Ch	Function	Default	DMX values
15	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func
16	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 60–60 900Hz 61–61 1000Hz 62–62 1100Hz 63–63 1200Hz 64–64 1300Hz 65–65 1400Hz 66–66 1500Hz 67–67 2500Hz 68–68 4000Hz 69–69 5000Hz 70–70 10KHz 71–71 15KHz 72–72 20KHz 73–73 25KHz 74–79 No Func 80–84 Reset All 85–87 Rewset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Shutter 97–99 Reset Other 100–119 Programm 1 120–139 Programm 2 140–159 Programm 3 160–179 Programm 4 180–199 Programm 5 200–219 Programm 6 220–239 Programm 7 240–255 Sound

17ch

17 channels

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

17ch (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–9 Open (wheel slot 1) 10–19 Color 1 (wheel slot 2) 20–29 Color 2 (wheel slot 3) 30–39 Color 3 (wheel slot 4) 40–49 Color 4 (wheel slot 5) 50–59 Color 5 (wheel slot 6) 60–69 Color 6 (wheel slot 7) 70–79 Color 7 (wheel slot 8) 80–89 Color 8 (wheel slot 9) 90–99 Color 9 (wheel slot 10) 100–127 Color 10 (wheel slot 11) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
6	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Shake Gobo 1 (wheel slot 2) 90–109 Shake Gobo 2 (wheel slot 3) 110–129 Shake Gobo 3 (wheel slot 4) 130–149 Shake Gobo 4 (wheel slot 5) 150–169 Shake Gobo 5 (wheel slot 6) 170–189 Shake Gobo 6 (wheel slot 7) 190–255 Rotation (wheel slot 1)
7	Gobo Rotation	0	0–127 Gobo Index 128–191 CW Rotation F>S 192–193 Stop 194–255 CCW Rotation S>F

17ch (continued)

Ch	Function	Default	DMX values
8	Gobo 2	0	0–4 Open (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–24 Gobo 4 (wheel slot 5) 25–29 Gobo 5 (wheel slot 6) 30–34 Gobo 6 (wheel slot 7) 35–39 Gobo 7 (wheel slot 8) 40–44 Gobo 8 (wheel slot 9) 45–49 Gobo 9 (wheel slot 10) 50–54 Gobo 10 (wheel slot 11) 55–59 Gobo 11 (wheel slot 12) 60–64 Gobo 12 (wheel slot 13) 65–69 Gobo 13 (wheel slot 14) 70–74 Gobo 14 (wheel slot 15) 75–79 Gobo15 (wheel slot 16) 80–84 Gobo 16 (wheel slot 17) 85–92 Shake Gobo 1 (wheel slot 2) 93–100 Shake Gobo 2 (wheel slot 3) 101–108 Shake Gobo 3 (wheel slot 4) 109–116 Shake Gobo 4 (wheel slot 5) 117–124 Shake Gobo 5 (wheel slot 6) 125–132 Shake Gobo 6 (wheel slot 7) 133–140 Shake Gobo 7 (wheel slot 8) 141–148 Shake Gobo 8 (wheel slot 9) 149–156 ShakeGobo 9 (wheel slot 10) 157–164 Shake Gobo 10 (wheel slot 11) 165–172 Shake Gobo 11 (wheel slot 12) 173–180 Shake Gobo 12 (wheel slot 13) 181–188 Shake Gobo 13 (wheel slot 14) 189–196 Shake Gobo 14 (wheel slot 15) 197–204 Shake Gobo15 (wheel slot 16) 205–212 Shake Gobo 16 (wheel slot 17) 213–255 Scroll
9	Strobe Mode Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–142 Min 143–143 Max 144–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
10	Dimmer	0	0–254 Closed 255–255 Open
11	Focus	0	
12	Focus Fine	0	Fine byte of Focus
13	Zoom	0	
14	Prism Rotation	0	0–5 Open (wheel slot 1) 6–127 Prism (wheel slot 2) 128–189 CW F>S (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 CCW S>F (wheel slot 2)
15	Frost1	0	0–199 Off 200–255 On

17ch (continued)

Ch	Function	Default	DMX values
16	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func
17	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 60–60 900Hz 61–61 1000Hz 62–62 1100Hz 63–63 1200Hz 64–64 1300Hz 65–65 1400Hz 66–66 1500Hz 67–67 2500Hz 68–68 4000Hz 69–69 5000Hz 70–70 10KHz 71–71 15KHz 72–72 20KHz 73–73 25KHz 74–79 No Func 80–84 Reset All 85–87 Rewset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Shutter 97–99 Reset Other 100–119 Programm 1 120–139 Programm 2 140–159 Programm 3 160–179 Programm 4 180–199 Programm 5 200–219 Programm 6 220–239 Programm 7 240–255 Sound

18ch

18 channels

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

18ch (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–9 Open (wheel slot 1) 10–19 Color 1 (wheel slot 2) 20–29 Color 2 (wheel slot 3) 30–39 Color 3 (wheel slot 4) 40–49 Color 4 (wheel slot 5) 50–59 Color 5 (wheel slot 6) 60–69 Color 6 (wheel slot 7) 70–79 Color 7 (wheel slot 8) 80–89 Color 8 (wheel slot 9) 90–99 Color 9 (wheel slot 10) 100–127 Color 10 (wheel slot 11) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
6	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Shake Gobo 1 (wheel slot 2) 90–109 Shake Gobo 2 (wheel slot 3) 110–129 Shake Gobo 3 (wheel slot 4) 130–149 Shake Gobo 4 (wheel slot 5) 150–169 Shake Gobo 5 (wheel slot 6) 170–189 Shake Gobo 6 (wheel slot 7) 190–255 Rotation (wheel slot 1)
7	Gobo Rotation	0	0–127 Gobo Index 128–191 CW Rotation F>S 192–193 Stop 194–255 CCW Rotation S>F

18ch (continued)

Ch	Function	Default	DMX values
8	Gobo 2	0	0–4 Open (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–24 Gobo 4 (wheel slot 5) 25–29 Gobo 5 (wheel slot 6) 30–34 Gobo 6 (wheel slot 7) 35–39 Gobo 7 (wheel slot 8) 40–44 Gobo 8 (wheel slot 9) 45–49 Gobo 9 (wheel slot 10) 50–54 Gobo 10 (wheel slot 11) 55–59 Gobo 11 (wheel slot 12) 60–64 Gobo 12 (wheel slot 13) 65–69 Gobo 13 (wheel slot 14) 70–74 Gobo 14 (wheel slot 15) 75–79 Gobo15 (wheel slot 16) 80–84 Gobo 16 (wheel slot 17) 85–92 Shake Gobo 1 (wheel slot 2) 93–100 Shake Gobo 2 (wheel slot 3) 101–108 Shake Gobo 3 (wheel slot 4) 109–116 Shake Gobo 4 (wheel slot 5) 117–124 Shake Gobo 5 (wheel slot 6) 125–132 Shake Gobo 6 (wheel slot 7) 133–140 Shake Gobo 7 (wheel slot 8) 141–148 Shake Gobo 8 (wheel slot 9) 149–156 ShakeGobo 9 (wheel slot 10) 157–164 Shake Gobo 10 (wheel slot 11) 165–172 Shake Gobo 11 (wheel slot 12) 173–180 Shake Gobo 12 (wheel slot 13) 181–188 Shake Gobo 13 (wheel slot 14) 189–196 Shake Gobo 14 (wheel slot 15) 197–204 Shake Gobo15 (wheel slot 16) 205–212 Shake Gobo 16 (wheel slot 17) 213–255 Scroll
9	Strobe Mode Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–142 Min 143–143 Max 144–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
10	Dimmer	0	0–254 Closed 255–255 Open
11	Dimmer Fine	0	Fine byte of Dimmer
12	Focus	0	
13	Focus Fine	0	Fine byte of Focus
14	Zoom	0	
15	Prism Rotation	0	0–5 Open (wheel slot 1) 6–127 Prism (wheel slot 2) 128–189 CW F>S (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 CCW S>F (wheel slot 2)
16	Frost1	0	0–199 Off 200–255 On

18ch (continued)

Ch	Function	Default	DMX values
17	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func
18	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 60–60 900Hz 61–61 1000Hz 62–62 1100Hz 63–63 1200Hz 64–64 1300Hz 65–65 1400Hz 66–66 1500Hz 67–67 2500Hz 68–68 4000Hz 69–69 5000Hz 70–70 10KHz 71–71 15KHz 72–72 20KHz 73–73 25KHz 74–79 No Func 80–84 Reset All 85–87 Rewset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Shutter 97–99 Reset Other 100–119 Programm 1 120–139 Programm 2 140–159 Programm 3 160–179 Programm 4 180–199 Programm 5 200–219 Programm 6 220–239 Programm 7 240–255 Sound

19ch

19 channels

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

19ch (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–9 Open (wheel slot 1) 10–19 Color 1 (wheel slot 2) 20–29 Color 2 (wheel slot 3) 30–39 Color 3 (wheel slot 4) 40–49 Color 4 (wheel slot 5) 50–59 Color 5 (wheel slot 6) 60–69 Color 6 (wheel slot 7) 70–79 Color 7 (wheel slot 8) 80–89 Color 8 (wheel slot 9) 90–99 Color 9 (wheel slot 10) 100–127 Color 10 (wheel slot 11) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
6	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Shake Gobo 1 (wheel slot 2) 90–109 Shake Gobo 2 (wheel slot 3) 110–129 Shake Gobo 3 (wheel slot 4) 130–149 Shake Gobo 4 (wheel slot 5) 150–169 Shake Gobo 5 (wheel slot 6) 170–189 Shake Gobo 6 (wheel slot 7) 190–255 Rotation (wheel slot 1)
7	Gobo Rotation	0	0–127 Gobo Index 128–191 CW Rotation F>S 192–193 Stop 194–255 CCW Rotation S>F

19ch (continued)

Ch	Function	Default	DMX values
8	Gobo 2	0	0–4 Open (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–24 Gobo 4 (wheel slot 5) 25–29 Gobo 5 (wheel slot 6) 30–34 Gobo 6 (wheel slot 7) 35–39 Gobo 7 (wheel slot 8) 40–44 Gobo 8 (wheel slot 9) 45–49 Gobo 9 (wheel slot 10) 50–54 Gobo 10 (wheel slot 11) 55–59 Gobo 11 (wheel slot 12) 60–64 Gobo 12 (wheel slot 13) 65–69 Gobo 13 (wheel slot 14) 70–74 Gobo 14 (wheel slot 15) 75–79 Gobo15 (wheel slot 16) 80–84 Gobo 16 (wheel slot 17) 85–92 Shake Gobo 1 (wheel slot 2) 93–100 Shake Gobo 2 (wheel slot 3) 101–108 Shake Gobo 3 (wheel slot 4) 109–116 Shake Gobo 4 (wheel slot 5) 117–124 Shake Gobo 5 (wheel slot 6) 125–132 Shake Gobo 6 (wheel slot 7) 133–140 Shake Gobo 7 (wheel slot 8) 141–148 Shake Gobo 8 (wheel slot 9) 149–156 ShakeGobo 9 (wheel slot 10) 157–164 Shake Gobo 10 (wheel slot 11) 165–172 Shake Gobo 11 (wheel slot 12) 173–180 Shake Gobo 12 (wheel slot 13) 181–188 Shake Gobo 13 (wheel slot 14) 189–196 Shake Gobo 14 (wheel slot 15) 197–204 Shake Gobo15 (wheel slot 16) 205–212 Shake Gobo 16 (wheel slot 17) 213–255 Scroll
9	Strobe Mode Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–142 Min 143–143 Max 144–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
10	Dimmer	0	0–254 Closed 255–255 Open
11	Focus	0	
12	Focus Fine	0	Fine byte of Focus
13	Zoom	0	
14	Prism Rotation	0	0–5 Open (wheel slot 1) 6–127 Prism (wheel slot 2) 128–189 CW F>S (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 CCW S>F (wheel slot 2)
15	Frost1	0	0–199 Off 200–255 On

19ch (continued)

Ch	Function	Default	DMX values
16	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func
17	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 60–60 900Hz 61–61 1000Hz 62–62 1100Hz 63–63 1200Hz 64–64 1300Hz 65–65 1400Hz 66–66 1500Hz 67–67 2500Hz 68–68 4000Hz 69–69 5000Hz 70–70 10KHz 71–71 15KHz 72–72 20KHz 73–73 25KHz 74–79 No Func 80–84 Reset All 85–87 Rewset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Shutter 97–99 Reset Other 100–119 Programm 1 120–139 Programm 2 140–159 Programm 3 160–179 Programm 4 180–199 Programm 5 200–219 Programm 6 220–239 Programm 7 240–255 Sound
18	Color Wheel Select MSpeed	0	
19	Gobo Wheel1MSpeed	0	

20ch

20 channels

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

20ch (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–9 Open (wheel slot 1) 10–19 Color 1 (wheel slot 2) 20–29 Color 2 (wheel slot 3) 30–39 Color 3 (wheel slot 4) 40–49 Color 4 (wheel slot 5) 50–59 Color 5 (wheel slot 6) 60–69 Color 6 (wheel slot 7) 70–79 Color 7 (wheel slot 8) 80–89 Color 8 (wheel slot 9) 90–99 Color 9 (wheel slot 10) 100–127 Color 10 (wheel slot 11) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
6	Gobo	0	0–9 Open (wheel slot 1) 10–19 Gobo 1 (wheel slot 2) 20–29 Gobo 2 (wheel slot 3) 30–39 Gobo 3 (wheel slot 4) 40–49 Gobo 4 (wheel slot 5) 50–59 Gobo 5 (wheel slot 6) 60–69 Gobo 6 (wheel slot 7) 70–89 Shake Gobo 1 (wheel slot 2) 90–109 Shake Gobo 2 (wheel slot 3) 110–129 Shake Gobo 3 (wheel slot 4) 130–149 Shake Gobo 4 (wheel slot 5) 150–169 Shake Gobo 5 (wheel slot 6) 170–189 Shake Gobo 6 (wheel slot 7) 190–255 Rotation (wheel slot 1)
7	Gobo Rotation	0	0–127 Gobo Index 128–191 CW Rotation F>S 192–193 Stop 194–255 CCW Rotation S>F

20ch (continued)

Ch	Function	Default	DMX values
8	Gobo 2	0	0–4 Open (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–24 Gobo 4 (wheel slot 5) 25–29 Gobo 5 (wheel slot 6) 30–34 Gobo 6 (wheel slot 7) 35–39 Gobo 7 (wheel slot 8) 40–44 Gobo 8 (wheel slot 9) 45–49 Gobo 9 (wheel slot 10) 50–54 Gobo 10 (wheel slot 11) 55–59 Gobo 11 (wheel slot 12) 60–64 Gobo 12 (wheel slot 13) 65–69 Gobo 13 (wheel slot 14) 70–74 Gobo 14 (wheel slot 15) 75–79 Gobo15 (wheel slot 16) 80–84 Gobo 16 (wheel slot 17) 85–92 Shake Gobo 1 (wheel slot 2) 93–100 Shake Gobo 2 (wheel slot 3) 101–108 Shake Gobo 3 (wheel slot 4) 109–116 Shake Gobo 4 (wheel slot 5) 117–124 Shake Gobo 5 (wheel slot 6) 125–132 Shake Gobo 6 (wheel slot 7) 133–140 Shake Gobo 7 (wheel slot 8) 141–148 Shake Gobo 8 (wheel slot 9) 149–156 ShakeGobo 9 (wheel slot 10) 157–164 Shake Gobo 10 (wheel slot 11) 165–172 Shake Gobo 11 (wheel slot 12) 173–180 Shake Gobo 12 (wheel slot 13) 181–188 Shake Gobo 13 (wheel slot 14) 189–196 Shake Gobo 14 (wheel slot 15) 197–204 Shake Gobo15 (wheel slot 16) 205–212 Shake Gobo 16 (wheel slot 17) 213–255 Scroll
9	Strobe Mode Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–142 Min 143–143 Max 144–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
10	Dimmer	0	0–254 Closed 255–255 Open
11	Dimmer Fine	0	Fine byte of Dimmer
12	Focus	0	
13	Focus Fine	0	Fine byte of Focus
14	Zoom	0	
15	Prism Rotation	0	0–5 Open (wheel slot 1) 6–127 Prism (wheel slot 2) 128–189 CW F>S (wheel slot 2) 190–193 Stop (wheel slot 2) 194–255 CCW S>F (wheel slot 2)
16	Frost1	0	0–199 Off 200–255 On

20ch (continued)

Ch	Function	Default	DMX values
17	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func
18	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 60–60 900Hz 61–61 1000Hz 62–62 1100Hz 63–63 1200Hz 64–64 1300Hz 65–65 1400Hz 66–66 1500Hz 67–67 2500Hz 68–68 4000Hz 69–69 5000Hz 70–70 10KHz 71–71 15KHz 72–72 20KHz 73–73 25KHz 74–79 No Func 80–84 Reset All 85–87 Rewset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 Reset Shutter 97–99 Reset Other 100–119 Programm 1 120–139 Programm 2 140–159 Programm 3 160–179 Programm 4 180–199 Programm 5 200–219 Programm 6 220–239 Programm 7 240–255 Sound
19	Color Wheel Select MSpeed	0	
20	Gobo Wheel1MSpeed	0	