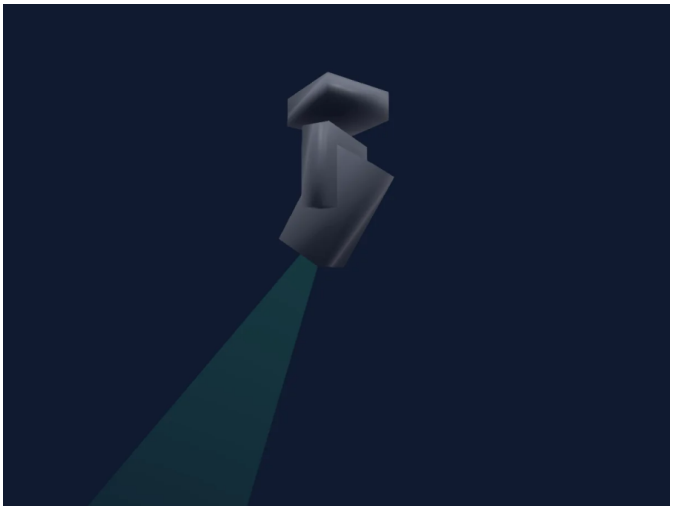
Stage4

broSPOT 250Z



Manufacturer	**Stage4**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**14, 15, 16, 17, 18, 19 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**6B680DE4-B19D-4D72-A343-1…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

14ch	14 ch
15ch	15 ch
16ch	16 ch
17ch	17 ch
18ch	18 ch
19ch	19 ch

14ch

14 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) 90–127 Color 9 (wheel slot 10) 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
6	Gobo 2	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–119 Gobo 11 (wheel slot 12) 120–129 Shake Gobo 1 (wheel slot 2) 130–139 Shake Gobo 2 (wheel slot 3) 140–149 Shake Gobo 3 (wheel slot 4) 150–159 Shake Gobo 4 (wheel slot 5) 160–169 Shake Gobo 5 (wheel slot 6) 170–179 Shake Gobo 6 (wheel slot 7) 180–189 Shake Gobo 7 (wheel slot 8) 190–199 Shake Gobo 8 (wheel slot 9) 200–209 ShakeGobo 9 (wheel slot 10) 210–219 Shake Gobo 10 (wheel slot 11) 220–229 Shjake Gobo 11 (wheel slot 12) 230–255 Scroll (wheel slot 1)

14ch (continued)

Ch	Function	Default	DMX values
7	Strobe Mode Shutter	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse S>F 144–159 Pulse F>S 160–191 Open 192–223 Random 224–255 Open
8	Dimmer	0	0–254 Closed 255–255 Open
9	Focus	0	
10	Zoom	0	
11	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)
12	Frost1	0	0–199 Off 200–255 On
13	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func

14ch (continued)

Ch	Function	Default	DMX values
14	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear Curve 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 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 Motor Reset 85–87 SCAN Reset 88–90 Color Reset 91–93 Gobo Reset 94–96 No Func 97–99 Other Reset 100–109 Programm 1 110–119 Programm 2 120–129 Programm 3 130–139 Programm 4 140–149 Programm 5 150–159 Programm 6 160–169 Programm 7 170–179 Programm 8 180–189 Sound 1 190–199 Sound 2 200–209 Sound 3 210–219 Sound 4 220–229 Sound 5 230–239 Sound 6 240–249 Sound 7 250–255 Sound 8

15ch

15 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	

15ch (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) 90–127 Color 9 (wheel slot 10) 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
6	Gobo 2	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–119 Gobo 11 (wheel slot 12) 120–129 Shake Gobo 1 (wheel slot 2) 130–139 Shake Gobo 2 (wheel slot 3) 140–149 Shake Gobo 3 (wheel slot 4) 150–159 Shake Gobo 4 (wheel slot 5) 160–169 Shake Gobo 5 (wheel slot 6) 170–179 Shake Gobo 6 (wheel slot 7) 180–189 Shake Gobo 7 (wheel slot 8) 190–199 Shake Gobo 8 (wheel slot 9) 200–209 ShakeGobo 9 (wheel slot 10) 210–219 Shake Gobo 10 (wheel slot 11) 220–229 Shjake Gobo 11 (wheel slot 12) 230–255 Scroll (wheel slot 1)

15ch (continued)

Ch	Function	Default	DMX values
7	Strobe Mode Shutter	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse S>F 144–159 Pulse F>S 160–191 Open 192–223 Random 224–255 Open
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Focus	0	
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
14	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func

15ch (continued)

Ch	Function	Default	DMX values
15	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear Curve 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 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 Motor Reset 85–87 SCAN Reset 88–90 Color Reset 91–93 Gobo Reset 94–96 No Func 97–99 Other Reset 100–109 Programm 1 110–119 Programm 2 120–129 Programm 3 130–139 Programm 4 140–149 Programm 5 150–159 Programm 6 160–169 Programm 7 170–179 Programm 8 180–189 Sound 1 190–199 Sound 2 200–209 Sound 3 210–219 Sound 4 220–229 Sound 5 230–239 Sound 6 240–249 Sound 7 250–255 Sound 8

16ch

16 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

16ch (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) 90–127 Color 9 (wheel slot 10) 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
8	Gobo 2	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–119 Gobo 11 (wheel slot 12) 120–129 Shake Gobo 1 (wheel slot 2) 130–139 Shake Gobo 2 (wheel slot 3) 140–149 Shake Gobo 3 (wheel slot 4) 150–159 Shake Gobo 4 (wheel slot 5) 160–169 Shake Gobo 5 (wheel slot 6) 170–179 Shake Gobo 6 (wheel slot 7) 180–189 Shake Gobo 7 (wheel slot 8) 190–199 Shake Gobo 8 (wheel slot 9) 200–209 ShakeGobo 9 (wheel slot 10) 210–219 Shake Gobo 10 (wheel slot 11) 220–229 Shjake Gobo 11 (wheel slot 12) 230–255 Scroll (wheel slot 1)

16ch (continued)

Ch	Function	Default	DMX values
9	Strobe Mode Shutter	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse S>F 144–159 Pulse F>S 160–191 Open 192–223 Random 224–255 Open
10	Dimmer	0	0–254 Closed 255–255 Open
11	Focus	0	
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
15	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func

16ch (continued)

Ch	Function	Default	DMX values
16	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear Curve 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 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 Motor Reset 85–87 SCAN Reset 88–90 Color Reset 91–93 Gobo Reset 94–96 No Func 97–99 Other Reset 100–109 Programm 1 110–119 Programm 2 120–129 Programm 3 130–139 Programm 4 140–149 Programm 5 150–159 Programm 6 160–169 Programm 7 170–179 Programm 8 180–189 Sound 1 190–199 Sound 2 200–209 Sound 3 210–219 Sound 4 220–229 Sound 5 230–239 Sound 6 240–249 Sound 7 250–255 Sound 8

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) 90–127 Color 9 (wheel slot 10) 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
8	Gobo 2	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–119 Gobo 11 (wheel slot 12) 120–129 Shake Gobo 1 (wheel slot 2) 130–139 Shake Gobo 2 (wheel slot 3) 140–149 Shake Gobo 3 (wheel slot 4) 150–159 Shake Gobo 4 (wheel slot 5) 160–169 Shake Gobo 5 (wheel slot 6) 170–179 Shake Gobo 6 (wheel slot 7) 180–189 Shake Gobo 7 (wheel slot 8) 190–199 Shake Gobo 8 (wheel slot 9) 200–209 ShakeGobo 9 (wheel slot 10) 210–219 Shake Gobo 10 (wheel slot 11) 220–229 Shjake Gobo 11 (wheel slot 12) 230–255 Scroll (wheel slot 1)

17ch (continued)

Ch	Function	Default	DMX values
9	Strobe Mode Shutter	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse S>F 144–159 Pulse F>S 160–191 Open 192–223 Random 224–255 Open
10	Dimmer	0	0–254 Closed 255–255 Open
11	Dimmer Fine	0	Fine byte of Dimmer
12	Focus	0	
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
16	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func

17ch (continued)

Ch	Function	Default	DMX values
17	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear Curve 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 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 Motor Reset 85–87 SCAN Reset 88–90 Color Reset 91–93 Gobo Reset 94–96 No Func 97–99 Other Reset 100–109 Programm 1 110–119 Programm 2 120–129 Programm 3 130–139 Programm 4 140–149 Programm 5 150–159 Programm 6 160–169 Programm 7 170–179 Programm 8 180–189 Sound 1 190–199 Sound 2 200–209 Sound 3 210–219 Sound 4 220–229 Sound 5 230–239 Sound 6 240–249 Sound 7 250–255 Sound 8

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) 90–127 Color 9 (wheel slot 10) 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
8	Gobo 2	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–119 Gobo 11 (wheel slot 12) 120–129 Shake Gobo 1 (wheel slot 2) 130–139 Shake Gobo 2 (wheel slot 3) 140–149 Shake Gobo 3 (wheel slot 4) 150–159 Shake Gobo 4 (wheel slot 5) 160–169 Shake Gobo 5 (wheel slot 6) 170–179 Shake Gobo 6 (wheel slot 7) 180–189 Shake Gobo 7 (wheel slot 8) 190–199 Shake Gobo 8 (wheel slot 9) 200–209 ShakeGobo 9 (wheel slot 10) 210–219 Shake Gobo 10 (wheel slot 11) 220–229 Shjake Gobo 11 (wheel slot 12) 230–255 Scroll (wheel slot 1)

18ch (continued)

Ch	Function	Default	DMX values
9	Strobe Mode Shutter	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse S>F 144–159 Pulse F>S 160–191 Open 192–223 Random 224–255 Open
10	Dimmer	0	0–254 Closed 255–255 Open
11	Focus	0	
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
15	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func

18ch (continued)

Ch	Function	Default	DMX values
16	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear Curve 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 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 Motor Reset 85–87 SCAN Reset 88–90 Color Reset 91–93 Gobo Reset 94–96 No Func 97–99 Other Reset 100–109 Programm 1 110–119 Programm 2 120–129 Programm 3 130–139 Programm 4 140–149 Programm 5 150–159 Programm 6 160–169 Programm 7 170–179 Programm 8 180–189 Sound 1 190–199 Sound 2 200–209 Sound 3 210–219 Sound 4 220–229 Sound 5 230–239 Sound 6 240–249 Sound 7 250–255 Sound 8
17	Color Wheel Select MSpeed	0	
18	Gobo Wheel1MSpeed	0	

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) 90–127 Color 9 (wheel slot 10) 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
8	Gobo 2	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) 70–79 Gobo 7 (wheel slot 8) 80–89 Gobo 8 (wheel slot 9) 90–99 Gobo 9 (wheel slot 10) 100–109 Gobo 10 (wheel slot 11) 110–119 Gobo 11 (wheel slot 12) 120–129 Shake Gobo 1 (wheel slot 2) 130–139 Shake Gobo 2 (wheel slot 3) 140–149 Shake Gobo 3 (wheel slot 4) 150–159 Shake Gobo 4 (wheel slot 5) 160–169 Shake Gobo 5 (wheel slot 6) 170–179 Shake Gobo 6 (wheel slot 7) 180–189 Shake Gobo 7 (wheel slot 8) 190–199 Shake Gobo 8 (wheel slot 9) 200–209 ShakeGobo 9 (wheel slot 10) 210–219 Shake Gobo 10 (wheel slot 11) 220–229 Shjake Gobo 11 (wheel slot 12) 230–255 Scroll (wheel slot 1)

19ch (continued)

Ch	Function	Default	DMX values
9	Strobe Mode Shutter	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse S>F 144–159 Pulse F>S 160–191 Open 192–223 Random 224–255 Open
10	Dimmer	0	0–254 Closed 255–255 Open
11	Dimmer Fine	0	Fine byte of Dimmer
12	Focus	0	
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
16	Position MSpeed	0	0–225 Max to Min 226–235 Blackout Movement 236–245 Blackout by all wheel changing 246–255 No Func

19ch (continued)

Ch	Function	Default	DMX values
17	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan S>F 39–39 Fan Min 40–44 Linear Curve 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 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 Motor Reset 85–87 SCAN Reset 88–90 Color Reset 91–93 Gobo Reset 94–96 No Func 97–99 Other Reset 100–109 Programm 1 110–119 Programm 2 120–129 Programm 3 130–139 Programm 4 140–149 Programm 5 150–159 Programm 6 160–169 Programm 7 170–179 Programm 8 180–189 Sound 1 190–199 Sound 2 200–209 Sound 3 210–219 Sound 4 220–229 Sound 5 230–239 Sound 6 240–249 Sound 7 250–255 Sound 8
18	Color Wheel Select MSpeed	0	
19	Gobo Wheel1MSpeed	0	