Stage4

broSPOT 200Z



Manufacturer	**Stage4**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**21, 22, 23, 24, 31, 32 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**180 × 240 × 180 mm**
GDTF fixture type	**EADAF78F-9011-4FB5-BB8D-57…**

Controls

Focus · Prism rotation · Zoom · Extra LED colours · RGB colour mixing · Colour wheel · Effect speed · Dimmer · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Built-in effect programmes

DMX modes

21ch	21 ch
22ch	22 ch
23ch	23 ch
24ch	24 ch
31ch	31 ch
32ch	32 ch

21ch

21 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Color 1 (wheel slot 2) 32–47 Color 2 (wheel slot 3) 48–63 Color 3 (wheel slot 4) 64–79 Color 4 (wheel slot 5) 80–95 Color 5 (wheel slot 6) 96–111 Color 6 (wheel slot 7) 112–127 Color 7 (wheel slot 8) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
4	Gobo	0	0–19 Open (wheel slot 1) 20–39 Gobo 1 (wheel slot 2) 40–59 Gobo 2 (wheel slot 3) 60–79 Gobo 3 (wheel slot 4) 80–99 Gobo 4 (wheel slot 5) 100–119 Gobo 5 (wheel slot 6) 120–139 Gobo 6 (wheel slot 7) 140–154 Shake Gobo 1 (wheel slot 2) 155–169 Shake Gobo 2 (wheel slot 3) 170–184 Shake Gobo 3 (wheel slot 4) 185–199 Shake Gobo 4 (wheel slot 5) 200–214 Shake Gobo 5 (wheel slot 6) 215–229 Shake Gobo 6 (wheel slot 7) 230–255 Scroll (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	0–14 Open (wheel slot 1) 15–29 Gobo 1 (wheel slot 2) 30–44 Gobo 2 (wheel slot 3) 45–59 Gobo 3 (wheel slot 4) 60–74 Gobo 4 (wheel slot 5) 75–89 Gobo 5 (wheel slot 6) 90–104 Gobo 6 (wheel slot 7) 105–119 Gobo 7 (wheel slot 8) 120–134 Shake Gobo 1 (wheel slot 2) 135–149 Shake Gobo 2 (wheel slot 3) 150–164 Shake Gobo 3 (wheel slot 4) 165–179 Shake Gobo 4 (wheel slot 5) 180–194 Shake Gobo 5 (wheel slot 6) 195–209 Shake Gobo 6 (wheel slot 7) 210–224 Shake Gobo 7 (wheel slot 8) 225–255 Scroll (wheel slot 1)
7	Strobe Mode Shutter	48	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

21ch (continued)

Ch	Function	Default	DMX values
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	Position MSpeed	0	0–224 Max 225–225 Min 226–235 BO Move 236–245 BO Wheel 246–255 No Func
13	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 Reset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 No Func 97–99 Reset Other 100–108 Programm 1 109–117 Programm 2 118–126 Programm 3 127–135 Programm 4 136–144 Programm 5 145–153 Programm 6 154–162 Programm 7 163–171 Programm 8 172–180 Programm 9 181–189 Sound Programm 1 190–198 Sound Programm 2 199–207 Sound Programm 3 208–216 Sound Programm 4 217–225 Sound Programm 5 226–234 Sound Programm 6 235–243 Sound Programm 7 244–252 Sound Programm 8 253–255 Sound Programm 9

21ch (continued)

Ch	Function	Default	DMX values
14	Dimmer	0	0–254 Closed 255–255 Open
15	Shutter1Strobe	0	
16	Color RGBRed	0	
17	Color RGBGreen	0	
18	Color RGBBlue	0	
19	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 Magenta 64–79 Yellow 80–95 Cyan 96–111 White 112–127 2700K 128–143 3200K 144–159 3500K 160–175 5000K 176–191 5500K 192–207 6000K 208–223 6500K 224–239 7000K 240–255 8000K
20	Effect	0	0–15 No Func 16–29 Dynamic Scene 1 30–43 Dynamic Scene 2 44–57 Dynamic Scene 3 58–71 Dynamic Scene 4 72–85 Dynamic Scene 5 86–99 Dynamic Scene 6 100–113 Dynamic Scene 7 114–127 Dynamic Scene 8 128–143 Dynamic Scene 9 144–155 Dynamic Scene 10 156–169 Dynamic Scene 11 170–183 Dynamic Scene 12 184–197 Dynamic Scene 13 198–211 Dynamic Scene 14 212–225 Dynamic Scene 15 226–239 Dynamic Scene 16 240–255 Dynamic Scene 17
21	Effect Speed	0	

22ch

22 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	

22ch (continued)

Ch	Function	Default	DMX values
3	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Color 1 (wheel slot 2) 32–47 Color 2 (wheel slot 3) 48–63 Color 3 (wheel slot 4) 64–79 Color 4 (wheel slot 5) 80–95 Color 5 (wheel slot 6) 96–111 Color 6 (wheel slot 7) 112–127 Color 7 (wheel slot 8) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
4	Gobo	0	0–19 Open (wheel slot 1) 20–39 Gobo 1 (wheel slot 2) 40–59 Gobo 2 (wheel slot 3) 60–79 Gobo 3 (wheel slot 4) 80–99 Gobo 4 (wheel slot 5) 100–119 Gobo 5 (wheel slot 6) 120–139 Gobo 6 (wheel slot 7) 140–154 Shake Gobo 1 (wheel slot 2) 155–169 Shake Gobo 2 (wheel slot 3) 170–184 Shake Gobo 3 (wheel slot 4) 185–199 Shake Gobo 4 (wheel slot 5) 200–214 Shake Gobo 5 (wheel slot 6) 215–229 Shake Gobo 6 (wheel slot 7) 230–255 Scroll (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	0–14 Open (wheel slot 1) 15–29 Gobo 1 (wheel slot 2) 30–44 Gobo 2 (wheel slot 3) 45–59 Gobo 3 (wheel slot 4) 60–74 Gobo 4 (wheel slot 5) 75–89 Gobo 5 (wheel slot 6) 90–104 Gobo 6 (wheel slot 7) 105–119 Gobo 7 (wheel slot 8) 120–134 Shake Gobo 1 (wheel slot 2) 135–149 Shake Gobo 2 (wheel slot 3) 150–164 Shake Gobo 3 (wheel slot 4) 165–179 Shake Gobo 4 (wheel slot 5) 180–194 Shake Gobo 5 (wheel slot 6) 195–209 Shake Gobo 6 (wheel slot 7) 210–224 Shake Gobo 7 (wheel slot 8) 225–255 Scroll (wheel slot 1)
7	Strobe Mode Shutter	48	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

22ch (continued)

Ch	Function	Default	DMX values
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	Position MSpeed	0	0–224 Max 225–225 Min 226–235 BO Move 236–245 BO Wheel 246–255 No Func
14	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 Reset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 No Func 97–99 Reset Other 100–108 Programm 1 109–117 Programm 2 118–126 Programm 3 127–135 Programm 4 136–144 Programm 5 145–153 Programm 6 154–162 Programm 7 163–171 Programm 8 172–180 Programm 9 181–189 Sound Programm 1 190–198 Sound Programm 2 199–207 Sound Programm 3 208–216 Sound Programm 4 217–225 Sound Programm 5 226–234 Sound Programm 6 235–243 Sound Programm 7 244–252 Sound Programm 8 253–255 Sound Programm 9
15	Dimmer	0	0–254 Closed 255–255 Open

22ch (continued)

Ch	Function	Default	DMX values
16	Shutter1Strobe	0	
17	Color RGBRed	0	
18	Color RGBGreen	0	
19	Color RGBBlue	0	
20	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 Magenta 64–79 Yellow 80–95 Cyan 96–111 White 112–127 2700K 128–143 3200K 144–159 3500K 160–175 5000K 176–191 5500K 192–207 6000K 208–223 6500K 224–239 7000K 240–255 8000K
21	Effect	0	0–15 No Func 16–29 Dynamic Scene 1 30–43 Dynamic Scene 2 44–57 Dynamic Scene 3 58–71 Dynamic Scene 4 72–85 Dynamic Scene 5 86–99 Dynamic Scene 6 100–113 Dynamic Scene 7 114–127 Dynamic Scene 8 128–143 Dynamic Scene 9 144–155 Dynamic Scene 10 156–169 Dynamic Scene 11 170–183 Dynamic Scene 12 184–197 Dynamic Scene 13 198–211 Dynamic Scene 14 212–225 Dynamic Scene 15 226–239 Dynamic Scene 16 240–255 Dynamic Scene 17
22	Effect Speed	0	

23ch

23 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

23ch (continued)

Ch	Function	Default	DMX values
5	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Color 1 (wheel slot 2) 32–47 Color 2 (wheel slot 3) 48–63 Color 3 (wheel slot 4) 64–79 Color 4 (wheel slot 5) 80–95 Color 5 (wheel slot 6) 96–111 Color 6 (wheel slot 7) 112–127 Color 7 (wheel slot 8) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
6	Gobo	0	0–19 Open (wheel slot 1) 20–39 Gobo 1 (wheel slot 2) 40–59 Gobo 2 (wheel slot 3) 60–79 Gobo 3 (wheel slot 4) 80–99 Gobo 4 (wheel slot 5) 100–119 Gobo 5 (wheel slot 6) 120–139 Gobo 6 (wheel slot 7) 140–154 Shake Gobo 1 (wheel slot 2) 155–169 Shake Gobo 2 (wheel slot 3) 170–184 Shake Gobo 3 (wheel slot 4) 185–199 Shake Gobo 4 (wheel slot 5) 200–214 Shake Gobo 5 (wheel slot 6) 215–229 Shake Gobo 6 (wheel slot 7) 230–255 Scroll (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	0–14 Open (wheel slot 1) 15–29 Gobo 1 (wheel slot 2) 30–44 Gobo 2 (wheel slot 3) 45–59 Gobo 3 (wheel slot 4) 60–74 Gobo 4 (wheel slot 5) 75–89 Gobo 5 (wheel slot 6) 90–104 Gobo 6 (wheel slot 7) 105–119 Gobo 7 (wheel slot 8) 120–134 Shake Gobo 1 (wheel slot 2) 135–149 Shake Gobo 2 (wheel slot 3) 150–164 Shake Gobo 3 (wheel slot 4) 165–179 Shake Gobo 4 (wheel slot 5) 180–194 Shake Gobo 5 (wheel slot 6) 195–209 Shake Gobo 6 (wheel slot 7) 210–224 Shake Gobo 7 (wheel slot 8) 225–255 Scroll (wheel slot 1)
9	Strobe Mode Shutter	48	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	

23ch (continued)

Ch	Function	Default	DMX values
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	Position MSpeed	0	0–224 Max 225–225 Min 226–235 BO Move 236–245 BO Wheel 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 Reset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 No Func 97–99 Reset Other 100–108 Programm 1 109–117 Programm 2 118–126 Programm 3 127–135 Programm 4 136–144 Programm 5 145–153 Programm 6 154–162 Programm 7 163–171 Programm 8 172–180 Programm 9 181–189 Sound Programm 1 190–198 Sound Programm 2 199–207 Sound Programm 3 208–216 Sound Programm 4 217–225 Sound Programm 5 226–234 Sound Programm 6 235–243 Sound Programm 7 244–252 Sound Programm 8 253–255 Sound Programm 9
16	Dimmer	0	0–254 Closed 255–255 Open
17	Shutter1Strobe	0	

23ch (continued)

Ch	Function	Default	DMX values
18	Color RGBRed	0	
19	Color RGBGreen	0	
20	Color RGBBlue	0	
21	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 Magenta 64–79 Yellow 80–95 Cyan 96–111 White 112–127 2700K 128–143 3200K 144–159 3500K 160–175 5000K 176–191 5500K 192–207 6000K 208–223 6500K 224–239 7000K 240–255 8000K
22	Effect	0	0–15 No Func 16–29 Dynamic Scene 1 30–43 Dynamic Scene 2 44–57 Dynamic Scene 3 58–71 Dynamic Scene 4 72–85 Dynamic Scene 5 86–99 Dynamic Scene 6 100–113 Dynamic Scene 7 114–127 Dynamic Scene 8 128–143 Dynamic Scene 9 144–155 Dynamic Scene 10 156–169 Dynamic Scene 11 170–183 Dynamic Scene 12 184–197 Dynamic Scene 13 198–211 Dynamic Scene 14 212–225 Dynamic Scene 15 226–239 Dynamic Scene 16 240–255 Dynamic Scene 17
23	Effect Speed	0	

24ch

24 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
5	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Color 1 (wheel slot 2) 32–47 Color 2 (wheel slot 3) 48–63 Color 3 (wheel slot 4) 64–79 Color 4 (wheel slot 5) 80–95 Color 5 (wheel slot 6) 96–111 Color 6 (wheel slot 7) 112–127 Color 7 (wheel slot 8) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F

24ch (continued)

Ch	Function	Default	DMX values
6	Gobo	0	0–19 Open (wheel slot 1) 20–39 Gobo 1 (wheel slot 2) 40–59 Gobo 2 (wheel slot 3) 60–79 Gobo 3 (wheel slot 4) 80–99 Gobo 4 (wheel slot 5) 100–119 Gobo 5 (wheel slot 6) 120–139 Gobo 6 (wheel slot 7) 140–154 Shake Gobo 1 (wheel slot 2) 155–169 Shake Gobo 2 (wheel slot 3) 170–184 Shake Gobo 3 (wheel slot 4) 185–199 Shake Gobo 4 (wheel slot 5) 200–214 Shake Gobo 5 (wheel slot 6) 215–229 Shake Gobo 6 (wheel slot 7) 230–255 Scroll (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	0–14 Open (wheel slot 1) 15–29 Gobo 1 (wheel slot 2) 30–44 Gobo 2 (wheel slot 3) 45–59 Gobo 3 (wheel slot 4) 60–74 Gobo 4 (wheel slot 5) 75–89 Gobo 5 (wheel slot 6) 90–104 Gobo 6 (wheel slot 7) 105–119 Gobo 7 (wheel slot 8) 120–134 Shake Gobo 1 (wheel slot 2) 135–149 Shake Gobo 2 (wheel slot 3) 150–164 Shake Gobo 3 (wheel slot 4) 165–179 Shake Gobo 4 (wheel slot 5) 180–194 Shake Gobo 5 (wheel slot 6) 195–209 Shake Gobo 6 (wheel slot 7) 210–224 Shake Gobo 7 (wheel slot 8) 225–255 Scroll (wheel slot 1)
9	Strobe Mode Shutter	48	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	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)

24ch (continued)

Ch	Function	Default	DMX values
15	Position MSpeed	0	0–224 Max 225–225 Min 226–235 BO Move 236–245 BO Wheel 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 Reset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 No Func 97–99 Reset Other 100–108 Programm 1 109–117 Programm 2 118–126 Programm 3 127–135 Programm 4 136–144 Programm 5 145–153 Programm 6 154–162 Programm 7 163–171 Programm 8 172–180 Programm 9 181–189 Sound Programm 1 190–198 Sound Programm 2 199–207 Sound Programm 3 208–216 Sound Programm 4 217–225 Sound Programm 5 226–234 Sound Programm 6 235–243 Sound Programm 7 244–252 Sound Programm 8 253–255 Sound Programm 9
17	Dimmer	0	0–254 Closed 255–255 Open
18	Shutter1Strobe	0	
19	Color RGBRed	0	
20	Color RGBGreen	0	
21	Color RGBBlue	0	

24ch (continued)

Ch	Function	Default	DMX values
22	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 Magenta 64–79 Yellow 80–95 Cyan 96–111 White 112–127 2700K 128–143 3200K 144–159 3500K 160–175 5000K 176–191 5500K 192–207 6000K 208–223 6500K 224–239 7000K 240–255 8000K
23	Effect	0	0–15 No Func 16–29 Dynamic Scene 1 30–43 Dynamic Scene 2 44–57 Dynamic Scene 3 58–71 Dynamic Scene 4 72–85 Dynamic Scene 5 86–99 Dynamic Scene 6 100–113 Dynamic Scene 7 114–127 Dynamic Scene 8 128–143 Dynamic Scene 9 144–155 Dynamic Scene 10 156–169 Dynamic Scene 11 170–183 Dynamic Scene 12 184–197 Dynamic Scene 13 198–211 Dynamic Scene 14 212–225 Dynamic Scene 15 226–239 Dynamic Scene 16 240–255 Dynamic Scene 17
24	Effect Speed	0	

31ch

31 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
5	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Color 1 (wheel slot 2) 32–47 Color 2 (wheel slot 3) 48–63 Color 3 (wheel slot 4) 64–79 Color 4 (wheel slot 5) 80–95 Color 5 (wheel slot 6) 96–111 Color 6 (wheel slot 7) 112–127 Color 7 (wheel slot 8) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F

31ch (continued)

Ch	Function	Default	DMX values
6	Gobo	0	0–19 Open (wheel slot 1) 20–39 Gobo 1 (wheel slot 2) 40–59 Gobo 2 (wheel slot 3) 60–79 Gobo 3 (wheel slot 4) 80–99 Gobo 4 (wheel slot 5) 100–119 Gobo 5 (wheel slot 6) 120–139 Gobo 6 (wheel slot 7) 140–154 Shake Gobo 1 (wheel slot 2) 155–169 Shake Gobo 2 (wheel slot 3) 170–184 Shake Gobo 3 (wheel slot 4) 185–199 Shake Gobo 4 (wheel slot 5) 200–214 Shake Gobo 5 (wheel slot 6) 215–229 Shake Gobo 6 (wheel slot 7) 230–255 Scroll (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	0–14 Open (wheel slot 1) 15–29 Gobo 1 (wheel slot 2) 30–44 Gobo 2 (wheel slot 3) 45–59 Gobo 3 (wheel slot 4) 60–74 Gobo 4 (wheel slot 5) 75–89 Gobo 5 (wheel slot 6) 90–104 Gobo 6 (wheel slot 7) 105–119 Gobo 7 (wheel slot 8) 120–134 Shake Gobo 1 (wheel slot 2) 135–149 Shake Gobo 2 (wheel slot 3) 150–164 Shake Gobo 3 (wheel slot 4) 165–179 Shake Gobo 4 (wheel slot 5) 180–194 Shake Gobo 5 (wheel slot 6) 195–209 Shake Gobo 6 (wheel slot 7) 210–224 Shake Gobo 7 (wheel slot 8) 225–255 Scroll (wheel slot 1)
9	Strobe Mode Shutter	48	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	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)

31ch (continued)

Ch	Function	Default	DMX values
14	Position MSpeed	0	0–224 Max 225–225 Min 226–235 BO Move 236–245 BO Wheel 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 Reset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 No Func 97–99 Reset Other 100–108 Programm 1 109–117 Programm 2 118–126 Programm 3 127–135 Programm 4 136–144 Programm 5 145–153 Programm 6 154–162 Programm 7 163–171 Programm 8 172–180 Programm 9 181–189 Sound Programm 1 190–198 Sound Programm 2 199–207 Sound Programm 3 208–216 Sound Programm 4 217–225 Sound Programm 5 226–234 Sound Programm 6 235–243 Sound Programm 7 244–252 Sound Programm 8 253–255 Sound Programm 9
16	Color Wheel Select MSpeed	0	
17	Gobo Wheel1MSpeed	0	
18	Dimmer	0	0–254 Closed 255–255 Open
19	Shutter1Strobe	0	
20	Color RGBRed	0	
21	Color RGBGreen	0	
22	Color RGBBlue	0	

31ch (continued)

Ch	Function	Default	DMX values
23	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 Magenta 64–79 Yellow 80–95 Cyan 96–111 White 112–127 2700K 128–143 3200K 144–159 3500K 160–175 5000K 176–191 5500K 192–207 6000K 208–223 6500K 224–239 7000K 240–255 8000K
24	Effect	0	0–15 No Func 16–29 Dynamic Scene 1 30–43 Dynamic Scene 2 44–57 Dynamic Scene 3 58–71 Dynamic Scene 4 72–85 Dynamic Scene 5 86–99 Dynamic Scene 6 100–113 Dynamic Scene 7 114–127 Dynamic Scene 8 128–143 Dynamic Scene 9 144–155 Dynamic Scene 10 156–169 Dynamic Scene 11 170–183 Dynamic Scene 12 184–197 Dynamic Scene 13 198–211 Dynamic Scene 14 212–225 Dynamic Scene 15 226–239 Dynamic Scene 16 240–255 Dynamic Scene 17
25	Effect Speed	0	
26	Effect 2	0	0–15 No Func 16–29 Dynamic Scene 1 30–43 Dynamic Scene 2 44–57 Dynamic Scene 3 58–71 Dynamic Scene 4 72–85 Dynamic Scene 5 86–99 Dynamic Scene 6 100–113 Dynamic Scene 7 114–127 Dynamic Scene 8 128–143 Dynamic Scene 9 144–155 Dynamic Scene 10 156–169 Dynamic Scene 11 170–183 Dynamic Scene 12 184–197 Dynamic Scene 13 198–211 Dynamic Scene 14 212–225 Dynamic Scene 15 226–239 Dynamic Scene 16 240–255 Dynamic Scene 17
27	Dimmer	0	0–254 Closed 255–255 Open
28	Dimmer	0	0–254 Closed 255–255 Open
29	Color RGBRed	0	
30	Color RGBGreen	0	

31ch (continued)

Ch	Function	Default	DMX values
31	Color RGBBlue	0	

32ch

32 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
5	Color Wheel	0	0–15 Open (wheel slot 1) 16–31 Color 1 (wheel slot 2) 32–47 Color 2 (wheel slot 3) 48–63 Color 3 (wheel slot 4) 64–79 Color 4 (wheel slot 5) 80–95 Color 5 (wheel slot 6) 96–111 Color 6 (wheel slot 7) 112–127 Color 7 (wheel slot 8) 128–189 CW Rotation F>S 190–193 Stop 194–255 CCW Rotation S>F
6	Gobo	0	0–19 Open (wheel slot 1) 20–39 Gobo 1 (wheel slot 2) 40–59 Gobo 2 (wheel slot 3) 60–79 Gobo 3 (wheel slot 4) 80–99 Gobo 4 (wheel slot 5) 100–119 Gobo 5 (wheel slot 6) 120–139 Gobo 6 (wheel slot 7) 140–154 Shake Gobo 1 (wheel slot 2) 155–169 Shake Gobo 2 (wheel slot 3) 170–184 Shake Gobo 3 (wheel slot 4) 185–199 Shake Gobo 4 (wheel slot 5) 200–214 Shake Gobo 5 (wheel slot 6) 215–229 Shake Gobo 6 (wheel slot 7) 230–255 Scroll (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	0–14 Open (wheel slot 1) 15–29 Gobo 1 (wheel slot 2) 30–44 Gobo 2 (wheel slot 3) 45–59 Gobo 3 (wheel slot 4) 60–74 Gobo 4 (wheel slot 5) 75–89 Gobo 5 (wheel slot 6) 90–104 Gobo 6 (wheel slot 7) 105–119 Gobo 7 (wheel slot 8) 120–134 Shake Gobo 1 (wheel slot 2) 135–149 Shake Gobo 2 (wheel slot 3) 150–164 Shake Gobo 3 (wheel slot 4) 165–179 Shake Gobo 4 (wheel slot 5) 180–194 Shake Gobo 5 (wheel slot 6) 195–209 Shake Gobo 6 (wheel slot 7) 210–224 Shake Gobo 7 (wheel slot 8) 225–255 Scroll (wheel slot 1)

32ch (continued)

Ch	Function	Default	DMX values
9	Strobe Mode Shutter	48	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	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	Position MSpeed	0	0–224 Max 225–225 Min 226–235 BO Move 236–245 BO Wheel 246–255 No Func

32ch (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 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 Reset SCAN 88–90 Reset Color 91–93 Reset Gobo 94–96 No Func 97–99 Reset Other 100–108 Programm 1 109–117 Programm 2 118–126 Programm 3 127–135 Programm 4 136–144 Programm 5 145–153 Programm 6 154–162 Programm 7 163–171 Programm 8 172–180 Programm 9 181–189 Sound Programm 1 190–198 Sound Programm 2 199–207 Sound Programm 3 208–216 Sound Programm 4 217–225 Sound Programm 5 226–234 Sound Programm 6 235–243 Sound Programm 7 244–252 Sound Programm 8 253–255 Sound Programm 9
17	Color Wheel Select MSpeed	0	
18	Gobo Wheel1MSpeed	0	
19	Dimmer	0	0–254 Closed 255–255 Open
20	Shutter1Strobe	0	
21	Color RGBRed	0	
22	Color RGBGreen	0	
23	Color RGBBlue	0	

32ch (continued)

Ch	Function	Default	DMX values
24	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 Magenta 64–79 Yellow 80–95 Cyan 96–111 White 112–127 2700K 128–143 3200K 144–159 3500K 160–175 5000K 176–191 5500K 192–207 6000K 208–223 6500K 224–239 7000K 240–255 8000K
25	Effect	0	0–15 No Func 16–29 Dynamic Scene 1 30–43 Dynamic Scene 2 44–57 Dynamic Scene 3 58–71 Dynamic Scene 4 72–85 Dynamic Scene 5 86–99 Dynamic Scene 6 100–113 Dynamic Scene 7 114–127 Dynamic Scene 8 128–143 Dynamic Scene 9 144–155 Dynamic Scene 10 156–169 Dynamic Scene 11 170–183 Dynamic Scene 12 184–197 Dynamic Scene 13 198–211 Dynamic Scene 14 212–225 Dynamic Scene 15 226–239 Dynamic Scene 16 240–255 Dynamic Scene 17
26	Effect Speed	0	
27	Effect 2	0	0–15 No Func 16–29 Dynamic Scene 1 30–43 Dynamic Scene 2 44–57 Dynamic Scene 3 58–71 Dynamic Scene 4 72–85 Dynamic Scene 5 86–99 Dynamic Scene 6 100–113 Dynamic Scene 7 114–127 Dynamic Scene 8 128–143 Dynamic Scene 9 144–155 Dynamic Scene 10 156–169 Dynamic Scene 11 170–183 Dynamic Scene 12 184–197 Dynamic Scene 13 198–211 Dynamic Scene 14 212–225 Dynamic Scene 15 226–239 Dynamic Scene 16 240–255 Dynamic Scene 17
28	Dimmer	0	0–254 Closed 255–255 Open
29	Dimmer	0	0–254 Closed 255–255 Open
30	Color RGBRed	0	
31	Color RGBGreen	0	

32ch (continued)

Ch	Function	Default	DMX values
32	Color RGBBlue	0	