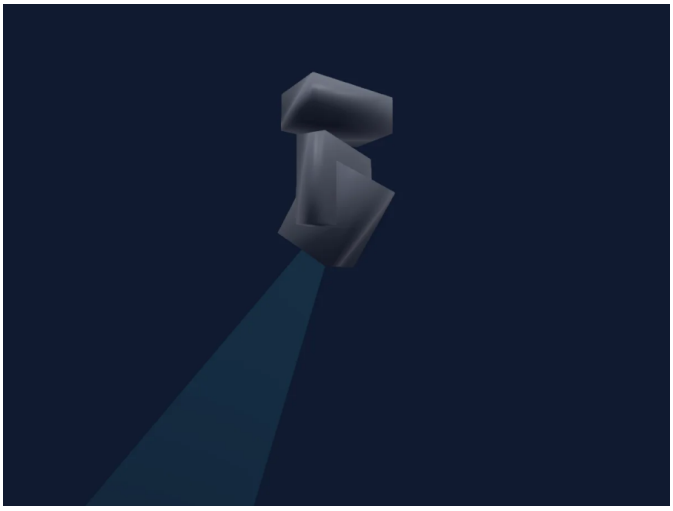
Stage4

broSPOT 160Z



Manufacturer	**Stage4**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**22, 23, 24, 25, 32, 33 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**3**
Size (W × H × D)	**170 × 240 × 170 mm**
GDTF fixture type	**C9AB2A58-5C6C-48B8-B4F0-C6…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

22ch	22 ch
23ch	23 ch
24ch	24 ch
25ch	25 ch
32ch	32 ch
33ch	33 ch

22ch

22 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) 70–79 Gobo 7 (wheel slot 8) 80–99 Shake Gobo 1 (wheel slot 2) 100–119 Shake Gobo 2 (wheel slot 3) 120–139 Shake Gobo 3 (wheel slot 4) 140–159 Shake Gobo 4 (wheel slot 5) 160–179 Shake Gobo 5 (wheel slot 6) 180–199 Shake Gobo 6 (wheel slot 7) 200–219 Shake Gobo 7 (wheel slot 8) 220–255 Gobo Rotation S>F
5	Gobo Rotation	0	0–3 No Func 4–127 CW Rotation F>S 128–131 Stop 132–255 CCW Rotation S>F
6	Gobo 2	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–80 Gobo 8 (wheel slot 9) 81–89 Gobo 9 (wheel slot 10) 90–98 Gobo 10 (wheel slot 11) 99–107 Gobo 11 (wheel slot 12) 108–116 Gobo 12 (wheel slot 13) 117–125 Shake Gobo 1 (wheel slot 2) 126–134 Shake Gobo 2 (wheel slot 3) 135–143 Shake Gobo 3 (wheel slot 4) 144–152 Shake Gobo 4 (wheel slot 5) 153–161 Shake Gobo 5 (wheel slot 6) 162–170 Shake Gobo 6 (wheel slot 7) 171–179 Shake Gobo 7 (wheel slot 8) 180–188 Shake Gobo 8 (wheel slot 9) 189–197 ShakeGobo 9 (wheel slot 10) 198–206 Shake Gobo 10 (wheel slot 11) 207–215 Shake Gobo 11 (wheel slot 12) 216–224 Shake Gobo 12 (wheel slot 13) 225–255 Gobo Rotation S>F

22ch (continued)

Ch	Function	Default	DMX values
7	Strobe Mode Strobe	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse Open 144–159 Pulse Close 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

22ch (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 100–108 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 1 190–198 Sound 2 199–207 Sound 3 208–216 Sound 4 217–225 Sound 5 226–234 Sound 6 235–243 Sound 7 244–252 Sound 8 253–255 Sound 9
15	Dimmer	0	0–254 Closed 255–255 Open
16	Strobe Mode Strobe	0	
17	Red	0	
18	Green	0	
19	Blue	0	

22ch (continued)

Ch	Function	Default	DMX values
20	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 R+B 64–79 R+G 80–95 G+B 96–111 RGB 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	Color Effects1	0	0–15 No Func 16–29 Dynamic Macro 1 30–43 Dynamic Macro 2 44–57 Dynamic Macro 3 58–71 Dynamic Macro 4 72–85 Dynamic Macro 5 86–99 Dynamic Macro 6 100–113 Dynamic Macro 7 114–127 Dynamic Macro 8 128–141 Dynamic Macro 9 142–155 Dynamic Macro 10 156–169 Dynamic Macro 11 170–183 Dynamic Macro 12 184–197 Dynamic Macro 13 198–211 Dynamic Macro 14 212–225 Dynamic Macro 15 226–239 Dynamic Macro 16 240–255 Dynamic Macro 17
22	Color Effects2	0	

23ch

23 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

23ch (continued)

Ch	Function	Default	DMX values
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) 70–79 Gobo 7 (wheel slot 8) 80–99 Shake Gobo 1 (wheel slot 2) 100–119 Shake Gobo 2 (wheel slot 3) 120–139 Shake Gobo 3 (wheel slot 4) 140–159 Shake Gobo 4 (wheel slot 5) 160–179 Shake Gobo 5 (wheel slot 6) 180–199 Shake Gobo 6 (wheel slot 7) 200–219 Shake Gobo 7 (wheel slot 8) 220–255 Gobo Rotation S>F
5	Gobo Rotation	0	0–3 No Func 4–127 CW Rotation F>S 128–131 Stop 132–255 CCW Rotation S>F
6	Gobo 2	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–80 Gobo 8 (wheel slot 9) 81–89 Gobo 9 (wheel slot 10) 90–98 Gobo 10 (wheel slot 11) 99–107 Gobo 11 (wheel slot 12) 108–116 Gobo 12 (wheel slot 13) 117–125 Shake Gobo 1 (wheel slot 2) 126–134 Shake Gobo 2 (wheel slot 3) 135–143 Shake Gobo 3 (wheel slot 4) 144–152 Shake Gobo 4 (wheel slot 5) 153–161 Shake Gobo 5 (wheel slot 6) 162–170 Shake Gobo 6 (wheel slot 7) 171–179 Shake Gobo 7 (wheel slot 8) 180–188 Shake Gobo 8 (wheel slot 9) 189–197 ShakeGobo 9 (wheel slot 10) 198–206 Shake Gobo 10 (wheel slot 11) 207–215 Shake Gobo 11 (wheel slot 12) 216–224 Shake Gobo 12 (wheel slot 13) 225–255 Gobo Rotation S>F
7	Strobe Mode Strobe	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse Open 144–159 Pulse Close 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	

23ch (continued)

Ch	Function	Default	DMX values
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
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 100–108 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 1 190–198 Sound 2 199–207 Sound 3 208–216 Sound 4 217–225 Sound 5 226–234 Sound 6 235–243 Sound 7 244–252 Sound 8 253–255 Sound 9
16	Dimmer	0	0–254 Closed 255–255 Open
17	Strobe Mode Strobe	0	

23ch (continued)

Ch	Function	Default	DMX values
18	Red	0	
19	Green	0	
20	Blue	0	
21	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 R+B 64–79 R+G 80–95 G+B 96–111 RGB 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	Color Effects1	0	0–15 No Func 16–29 Dynamic Macro 1 30–43 Dynamic Macro 2 44–57 Dynamic Macro 3 58–71 Dynamic Macro 4 72–85 Dynamic Macro 5 86–99 Dynamic Macro 6 100–113 Dynamic Macro 7 114–127 Dynamic Macro 8 128–141 Dynamic Macro 9 142–155 Dynamic Macro 10 156–169 Dynamic Macro 11 170–183 Dynamic Macro 12 184–197 Dynamic Macro 13 198–211 Dynamic Macro 14 212–225 Dynamic Macro 15 226–239 Dynamic Macro 16 240–255 Dynamic Macro 17
23	Color Effects2	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

24ch (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) 70–79 Gobo 7 (wheel slot 8) 80–99 Shake Gobo 1 (wheel slot 2) 100–119 Shake Gobo 2 (wheel slot 3) 120–139 Shake Gobo 3 (wheel slot 4) 140–159 Shake Gobo 4 (wheel slot 5) 160–179 Shake Gobo 5 (wheel slot 6) 180–199 Shake Gobo 6 (wheel slot 7) 200–219 Shake Gobo 7 (wheel slot 8) 220–255 Gobo Rotation S>F
7	Gobo Rotation	0	0–3 No Func 4–127 CW Rotation F>S 128–131 Stop 132–255 CCW Rotation S>F
8	Gobo 2	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–80 Gobo 8 (wheel slot 9) 81–89 Gobo 9 (wheel slot 10) 90–98 Gobo 10 (wheel slot 11) 99–107 Gobo 11 (wheel slot 12) 108–116 Gobo 12 (wheel slot 13) 117–125 Shake Gobo 1 (wheel slot 2) 126–134 Shake Gobo 2 (wheel slot 3) 135–143 Shake Gobo 3 (wheel slot 4) 144–152 Shake Gobo 4 (wheel slot 5) 153–161 Shake Gobo 5 (wheel slot 6) 162–170 Shake Gobo 6 (wheel slot 7) 171–179 Shake Gobo 7 (wheel slot 8) 180–188 Shake Gobo 8 (wheel slot 9) 189–197 ShakeGobo 9 (wheel slot 10) 198–206 Shake Gobo 10 (wheel slot 11) 207–215 Shake Gobo 11 (wheel slot 12) 216–224 Shake Gobo 12 (wheel slot 13) 225–255 Gobo Rotation S>F

24ch (continued)

Ch	Function	Default	DMX values
9	Strobe Mode Strobe	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse Open 144–159 Pulse Close 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

24ch (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 100–108 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 1 190–198 Sound 2 199–207 Sound 3 208–216 Sound 4 217–225 Sound 5 226–234 Sound 6 235–243 Sound 7 244–252 Sound 8 253–255 Sound 9
17	Dimmer	0	0–254 Closed 255–255 Open
18	Strobe Mode Strobe	0	
19	Red	0	
20	Green	0	
21	Blue	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 R+B 64–79 R+G 80–95 G+B 96–111 RGB 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	Color Effects1	0	0–15 No Func 16–29 Dynamic Macro 1 30–43 Dynamic Macro 2 44–57 Dynamic Macro 3 58–71 Dynamic Macro 4 72–85 Dynamic Macro 5 86–99 Dynamic Macro 6 100–113 Dynamic Macro 7 114–127 Dynamic Macro 8 128–141 Dynamic Macro 9 142–155 Dynamic Macro 10 156–169 Dynamic Macro 11 170–183 Dynamic Macro 12 184–197 Dynamic Macro 13 198–211 Dynamic Macro 14 212–225 Dynamic Macro 15 226–239 Dynamic Macro 16 240–255 Dynamic Macro 17
24	Color Effects2	0	

25ch

25 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	0–9 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

25ch (continued)

Ch	Function	Default	DMX values
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) 70–79 Gobo 7 (wheel slot 8) 80–99 Shake Gobo 1 (wheel slot 2) 100–119 Shake Gobo 2 (wheel slot 3) 120–139 Shake Gobo 3 (wheel slot 4) 140–159 Shake Gobo 4 (wheel slot 5) 160–179 Shake Gobo 5 (wheel slot 6) 180–199 Shake Gobo 6 (wheel slot 7) 200–219 Shake Gobo 7 (wheel slot 8) 220–255 Gobo Rotation S>F
7	Gobo Rotation	0	0–3 No Func 4–127 CW Rotation F>S 128–131 Stop 132–255 CCW Rotation S>F
8	Gobo 2	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–80 Gobo 8 (wheel slot 9) 81–89 Gobo 9 (wheel slot 10) 90–98 Gobo 10 (wheel slot 11) 99–107 Gobo 11 (wheel slot 12) 108–116 Gobo 12 (wheel slot 13) 117–125 Shake Gobo 1 (wheel slot 2) 126–134 Shake Gobo 2 (wheel slot 3) 135–143 Shake Gobo 3 (wheel slot 4) 144–152 Shake Gobo 4 (wheel slot 5) 153–161 Shake Gobo 5 (wheel slot 6) 162–170 Shake Gobo 6 (wheel slot 7) 171–179 Shake Gobo 7 (wheel slot 8) 180–188 Shake Gobo 8 (wheel slot 9) 189–197 ShakeGobo 9 (wheel slot 10) 198–206 Shake Gobo 10 (wheel slot 11) 207–215 Shake Gobo 11 (wheel slot 12) 216–224 Shake Gobo 12 (wheel slot 13) 225–255 Gobo Rotation S>F
9	Strobe Mode Strobe	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse Open 144–159 Pulse Close 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	

25ch (continued)

Ch	Function	Default	DMX values
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
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 100–108 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 1 190–198 Sound 2 199–207 Sound 3 208–216 Sound 4 217–225 Sound 5 226–234 Sound 6 235–243 Sound 7 244–252 Sound 8 253–255 Sound 9
18	Dimmer	0	0–254 Closed 255–255 Open
19	Strobe Mode Strobe	0	

25ch (continued)

Ch	Function	Default	DMX values
20	Red	0	
21	Green	0	
22	Blue	0	
23	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 R+B 64–79 R+G 80–95 G+B 96–111 RGB 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	Color Effects1	0	0–15 No Func 16–29 Dynamic Macro 1 30–43 Dynamic Macro 2 44–57 Dynamic Macro 3 58–71 Dynamic Macro 4 72–85 Dynamic Macro 5 86–99 Dynamic Macro 6 100–113 Dynamic Macro 7 114–127 Dynamic Macro 8 128–141 Dynamic Macro 9 142–155 Dynamic Macro 10 156–169 Dynamic Macro 11 170–183 Dynamic Macro 12 184–197 Dynamic Macro 13 198–211 Dynamic Macro 14 212–225 Dynamic Macro 15 226–239 Dynamic Macro 16 240–255 Dynamic Macro 17
25	Color Effects2	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

32ch (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) 70–79 Gobo 7 (wheel slot 8) 80–99 Shake Gobo 1 (wheel slot 2) 100–119 Shake Gobo 2 (wheel slot 3) 120–139 Shake Gobo 3 (wheel slot 4) 140–159 Shake Gobo 4 (wheel slot 5) 160–179 Shake Gobo 5 (wheel slot 6) 180–199 Shake Gobo 6 (wheel slot 7) 200–219 Shake Gobo 7 (wheel slot 8) 220–255 Gobo Rotation S>F
7	Gobo Rotation	0	0–3 No Func 4–127 CW Rotation F>S 128–131 Stop 132–255 CCW Rotation S>F
8	Gobo 2	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–80 Gobo 8 (wheel slot 9) 81–89 Gobo 9 (wheel slot 10) 90–98 Gobo 10 (wheel slot 11) 99–107 Gobo 11 (wheel slot 12) 108–116 Gobo 12 (wheel slot 13) 117–125 Shake Gobo 1 (wheel slot 2) 126–134 Shake Gobo 2 (wheel slot 3) 135–143 Shake Gobo 3 (wheel slot 4) 144–152 Shake Gobo 4 (wheel slot 5) 153–161 Shake Gobo 5 (wheel slot 6) 162–170 Shake Gobo 6 (wheel slot 7) 171–179 Shake Gobo 7 (wheel slot 8) 180–188 Shake Gobo 8 (wheel slot 9) 189–197 ShakeGobo 9 (wheel slot 10) 198–206 Shake Gobo 10 (wheel slot 11) 207–215 Shake Gobo 11 (wheel slot 12) 216–224 Shake Gobo 12 (wheel slot 13) 225–255 Gobo Rotation S>F

32ch (continued)

Ch	Function	Default	DMX values
9	Strobe Mode Strobe	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse Open 144–159 Pulse Close 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

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 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 100–108 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 1 190–198 Sound 2 199–207 Sound 3 208–216 Sound 4 217–225 Sound 5 226–234 Sound 6 235–243 Sound 7 244–252 Sound 8 253–255 Sound 9
17	Color Wheel Select MSpeed	0	
18	Gobo Wheel1MSpeed	0	
19	Dimmer	0	0–254 Closed 255–255 Open
20	Strobe Mode Strobe	0	
21	Red	0	
22	Green	0	
23	Blue	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 R+B 64–79 R+G 80–95 G+B 96–111 RGB 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	Color Effects1	0	0–15 No Func 16–29 Dynamic Macro 1 30–43 Dynamic Macro 2 44–57 Dynamic Macro 3 58–71 Dynamic Macro 4 72–85 Dynamic Macro 5 86–99 Dynamic Macro 6 100–113 Dynamic Macro 7 114–127 Dynamic Macro 8 128–141 Dynamic Macro 9 142–155 Dynamic Macro 10 156–169 Dynamic Macro 11 170–183 Dynamic Macro 12 184–197 Dynamic Macro 13 198–211 Dynamic Macro 14 212–225 Dynamic Macro 15 226–239 Dynamic Macro 16 240–255 Dynamic Macro 17
26	Color Effects2	0	
27	Color Effects3	0	0–15 No Func 16–29 Dynamic Macro 1 30–43 Dynamic Macro 2 44–57 Dynamic Macro 3 58–71 Dynamic Macro 4 72–85 Dynamic Macro 5 86–99 Dynamic Macro 6 100–113 Dynamic Macro 7 114–127 Dynamic Macro 8 128–141 Dynamic Macro 9 142–155 Dynamic Macro 10 156–169 Dynamic Macro 11 170–183 Dynamic Macro 12 184–197 Dynamic Macro 13 198–211 Dynamic Macro 14 212–225 Dynamic Macro 15 226–239 Dynamic Macro 16 240–255 Dynamic Macro 17
28	Dimmer	0	0–254 Closed 255–255 Open
29	Dimmer	0	0–254 Closed 255–255 Open
30	Red	0	
31	Green	0	

32ch (continued)

Ch	Function	Default	DMX values
32	Blue	0	

33ch

33 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	0–9 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) 70–79 Gobo 7 (wheel slot 8) 80–99 Shake Gobo 1 (wheel slot 2) 100–119 Shake Gobo 2 (wheel slot 3) 120–139 Shake Gobo 3 (wheel slot 4) 140–159 Shake Gobo 4 (wheel slot 5) 160–179 Shake Gobo 5 (wheel slot 6) 180–199 Shake Gobo 6 (wheel slot 7) 200–219 Shake Gobo 7 (wheel slot 8) 220–255 Gobo Rotation S>F
7	Gobo Rotation	0	0–3 No Func 4–127 CW Rotation F>S 128–131 Stop 132–255 CCW Rotation S>F

33ch (continued)

Ch	Function	Default	DMX values
8	Gobo 2	0	0–8 Open (wheel slot 1) 9–17 Gobo 1 (wheel slot 2) 18–26 Gobo 2 (wheel slot 3) 27–35 Gobo 3 (wheel slot 4) 36–44 Gobo 4 (wheel slot 5) 45–53 Gobo 5 (wheel slot 6) 54–62 Gobo 6 (wheel slot 7) 63–71 Gobo 7 (wheel slot 8) 72–80 Gobo 8 (wheel slot 9) 81–89 Gobo 9 (wheel slot 10) 90–98 Gobo 10 (wheel slot 11) 99–107 Gobo 11 (wheel slot 12) 108–116 Gobo 12 (wheel slot 13) 117–125 Shake Gobo 1 (wheel slot 2) 126–134 Shake Gobo 2 (wheel slot 3) 135–143 Shake Gobo 3 (wheel slot 4) 144–152 Shake Gobo 4 (wheel slot 5) 153–161 Shake Gobo 5 (wheel slot 6) 162–170 Shake Gobo 6 (wheel slot 7) 171–179 Shake Gobo 7 (wheel slot 8) 180–188 Shake Gobo 8 (wheel slot 9) 189–197 ShakeGobo 9 (wheel slot 10) 198–206 Shake Gobo 10 (wheel slot 11) 207–215 Shake Gobo 11 (wheel slot 12) 216–224 Shake Gobo 12 (wheel slot 13) 225–255 Gobo Rotation S>F
9	Strobe Mode Shutter	48	0–31 Close 32–63 Open 64–95 Strobe S>F 96–127 Open 128–143 Pulse Open 144–159 Pulse Close 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

33ch (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 100–108 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 1 190–198 Sound 2 199–207 Sound 3 208–216 Sound 4 217–225 Sound 5 226–234 Sound 6 235–243 Sound 7 244–252 Sound 8 253–255 Sound 9
18	Color Wheel Select MSpeed	0	
19	Gobo Wheel1MSpeed	0	
20	Dimmer	0	0–254 Closed 255–255 Open
21	Strobe Mode Strobe	0	
22	Red	0	
23	Green	0	
24	Blue	0	

33ch (continued)

Ch	Function	Default	DMX values
25	Color Macro1	0	0–0 No Func 1–15 Red 16–31 Green 32–47 Blue 48–63 R+B 64–79 R+G 80–95 G+B 96–111 RGB 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
26	Color Effects1	0	0–15 No Func 16–29 Dynamic Macro 1 30–43 Dynamic Macro 2 44–57 Dynamic Macro 3 58–71 Dynamic Macro 4 72–85 Dynamic Macro 5 86–99 Dynamic Macro 6 100–113 Dynamic Macro 7 114–127 Dynamic Macro 8 128–141 Dynamic Macro 9 142–155 Dynamic Macro 10 156–169 Dynamic Macro 11 170–183 Dynamic Macro 12 184–197 Dynamic Macro 13 198–211 Dynamic Macro 14 212–225 Dynamic Macro 15 226–239 Dynamic Macro 16 240–255 Dynamic Macro 17
27	Color Effects2	0	
28	Color Effects3	0	0–15 No Func 16–29 Dynamic Macro 1 30–43 Dynamic Macro 2 44–57 Dynamic Macro 3 58–71 Dynamic Macro 4 72–85 Dynamic Macro 5 86–99 Dynamic Macro 6 100–113 Dynamic Macro 7 114–127 Dynamic Macro 8 128–141 Dynamic Macro 9 142–155 Dynamic Macro 10 156–169 Dynamic Macro 11 170–183 Dynamic Macro 12 184–197 Dynamic Macro 13 198–211 Dynamic Macro 14 212–225 Dynamic Macro 15 226–239 Dynamic Macro 16 240–255 Dynamic Macro 17
29	Dimmer	0	0–254 Closed 255–255 Open
30	Dimmer	0	0–254 Closed 255–255 Open
31	Red	0	
32	Green	0	

33ch (continued)

Ch	Function	Default	DMX values
33	Blue	0	