Stage4

broWASH-P 7x40 XW



Manufacturer	**Stage4**
Type	**Profile spot**
DMX modes	**9**
DMX footprint	**18, 19, 23, 24, 25, 29, 52, 53, 57 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**2**
Size (W × H × D)	**220 × 190 × 220 mm**
GDTF fixture type	**623FDCAE-7D21-4F9A-BA60-A…**

Controls

Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Dimmer · Pixel control · Movement speed

Safety-relevant functions

Fixture reset

DMX modes

18ch	18 ch
19ch	19 ch
23ch	23 ch
24ch	24 ch
25ch	25 ch
29ch	29 ch
52ch	52 ch
53ch	53 ch
57ch	57 ch

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
5	Position MSpeed	0	0–225 Max>Min 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Strobe Mode Strobe	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	Red	0	
9	Green	0	
10	Blue	0	
11	White	0	
12	Zoom	0	0–254 Near 255–255 Far
13	Zoom Mode	0	0–15 Stop 16–63 Shake S>F 64–156 CW Rot F>S 157–162 Stop 163–255 CCW Rot S>F
14	Zoom Mode Spot	0	0–254 0 grad 255–255 60 grad
15	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K

18ch (continued)

Ch	Function	Default	DMX values
16	C TO	0	0–15 No Func 16–45 <3200K 46–75 3200K-3500K 76–105 3500K-5000K 106–135 5000K-5500K 136–165 5500K-6000K 166–195 6000K-6500K 196–225 6500K-7000K 226–255 7000K-8000K
17	Color Effects1	0	0–15 Off 16–255 On
18	Function	0	0–19 No Func 20–24 Fan Auto 25–29 Fan Max 30–34 Fan Med 35–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 60–61 Dim Mode 1 62–63 Dim Mode 2 64–65 Dim Mode 3 66–67 Dim Mode 4 68–79 No Func 80–89 All Motor Reset 90–94 SCAN Reser 95–99 Zoom Reser 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 1

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
5	Position MSpeed	0	0–225 Max>Min 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer

19ch (continued)

Ch	Function	Default	DMX values
8	Strobe Mode Strobe	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
9	Red	0	
10	Green	0	
11	Blue	0	
12	White	0	
13	Zoom	0	0–254 Near 255–255 Far
14	Zoom Mode	0	0–15 Stop 16–63 Shake S>F 64–156 CW Rot F>S 157–162 Stop 163–255 CCW Rot S>F
15	Zoom Mode Spot	0	0–254 0 grad 255–255 60 grad
16	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
17	C TO	0	0–15 No Func 16–45 <3200K 46–75 3200K-3500K 76–105 3500K-5000K 106–135 5000K-5500K 136–165 5500K-6000K 166–195 6000K-6500K 196–225 6500K-7000K 226–255 7000K-8000K
18	Color Effects1	0	0–15 Off 16–255 On

19ch (continued)

Ch	Function	Default	DMX values
19	Function	0	0–19 No Func 20–24 Fan Auto 25–29 Fan Max 30–34 Fan Med 35–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 60–61 Dim Mode 1 62–63 Dim Mode 2 64–65 Dim Mode 3 66–67 Dim Mode 4 68–79 No Func 80–89 All Motor Reset 90–94 SCAN Reser 95–99 Zoom Reser 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 1

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
5	Position MSpeed	0	0–225 Max>Min 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Strobe Mode Strobe	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
9	Red	0	
10	Red Fine	0	Fine byte of Red
11	Green	0	
12	Green Fine	0	Fine byte of Green
13	Blue	0	
14	Blue Fine	0	Fine byte of Blue
15	White	0	

23ch (continued)

Ch	Function	Default	DMX values
16	White Fine	0	Fine byte of White
17	Zoom	0	0–254 Near 255–255 Far
18	Zoom Mode	0	0–15 Stop 16–63 Shake S>F 64–156 CW Rot F>S 157–162 Stop 163–255 CCW Rot S>F
19	Zoom Mode Spot	0	0–254 0 grad 255–255 60 grad
20	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
21	C TO	0	0–15 No Func 16–45 <3200K 46–75 3200K-3500K 76–105 3500K-5000K 106–135 5000K-5500K 136–165 5500K-6000K 166–195 6000K-6500K 196–225 6500K-7000K 226–255 7000K-8000K
22	Color Effects1	0	0–15 Off 16–255 On

23ch (continued)

Ch	Function	Default	DMX values
23	Function	0	0–19 No Func 20–24 Fan Auto 25–29 Fan Max 30–34 Fan Med 35–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 60–61 Dim Mode 1 62–63 Dim Mode 2 64–65 Dim Mode 3 66–67 Dim Mode 4 68–79 No Func 80–89 All Motor Reset 90–94 SCAN Reser 95–99 Zoom Reser 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 1

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	Position MSpeed	0	0–225 Max>Min 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Strobe Mode Strobe	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	Red	0	
9	Green	0	
10	Blue	0	
11	White	0	
12	Zoom	0	0–254 Near 255–255 Far

24ch (continued)

Ch	Function	Default	DMX values
13	Zoom Mode	0	0–15 Stop 16–63 Shake S>F 64–156 CW Rot F>S 157–162 Stop 163–255 CCW Rot S>F
14	Zoom Mode Spot	0	0–254 0 grad 255–255 60 grad
15	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
16	C TO	0	0–15 No Func 16–45 <3200K 46–75 3200K-3500K 76–105 3500K-5000K 106–135 5000K-5500K 136–165 5500K-6000K 166–195 6000K-6500K 196–225 6500K-7000K 226–255 7000K-8000K
17	Color Effects1	0	0–15 Off 16–255 On

24ch (continued)

Ch	Function	Default	DMX values
18	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
19	Dimmer	0	0–254 Closed 255–255 Open
20	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
21	Dimmer	0	0–254 Closed 255–255 Open

24ch (continued)

Ch	Function	Default	DMX values
22	Shaper Macros	0	0–15 No Func 16–31 Static Patterns 32–43 Dynamic Scene 1 44–55 Dynamic Scene 2 56–67 Dynamic Scene 3 68–79 Dynamic Scene 4 80–91 Dynamic Scene 5 92–103 Dynamic Scene 6 104–115 Dynamic Scene 7 116–127 Dynamic Scene 8 128–139 Dynamic Scene 9 140–151 Dynamic Scene 10 152–163 Dynamic Scene 11 164–175 Dynamic Scene 12 176–187 Dynamic Scene 13 188–199 Dynamic Scene 14 200–211 Dynamic Scene 15 212–223 Dynamic Scene 16 224–235 Dynamic Scene 17 236–247 Dynamic Scene 18 248–255 Dynamic Scene 19
23	Shaper Macros Speed	0	0–7 Static Scene 1 8–15 Static Scene 2 16–23 Static Scene 3 24–31 Static Scene 4 32–39 Static Scene 5 40–47 Static Scene 6 48–55 Static Scene 7 56–63 Static Scene 8 64–71 Static Scene 9 72–79 Static Scene 10 80–87 Static Scene 11 88–95 Static Scene 12 96–103 Static Scene 13 104–111 Static Scene 14 112–119 Static Scene 15 120–127 Static Scene 16 128–135 Static Scene 17 136–137 Static Scene 18 138–141 Stop 142–143 CCW S>F 144–151 Static Scene 19 152–159 Static Scene 20 160–167 Static Scene 21 168–175 Static Scene 22 176–183 Static Scene 23 184–191 Static Scene 24 192–199 Static Scene 25 200–207 Static Scene 26 208–215 Static Scene 27 216–223 Static Scene 28 224–231 Static Scene 29 232–239 Static Scene 30 240–247 Static Scene 31 248–255 Static Scene 32

24ch (continued)

Ch	Function	Default	DMX values
24	Function	0	0–19 No Func 20–24 Fan Auto 25–29 Fan Max 30–34 Fan Med 35–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 60–61 Dim Mode 1 62–63 Dim Mode 2 64–65 Dim Mode 3 66–67 Dim Mode 4 68–79 No Func 80–89 All Motor Reset 90–94 SCAN Reser 95–99 Zoom Reser 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 1

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	Position MSpeed	0	0–225 Max>Min 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Strobe Mode Strobe	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
9	Red	0	
10	Green	0	
11	Blue	0	
12	White	0	
13	Zoom	0	0–254 Near 255–255 Far

25ch (continued)

Ch	Function	Default	DMX values
14	Zoom Mode	0	0–15 Stop 16–63 Shake S>F 64–156 CW Rot F>S 157–162 Stop 163–255 CCW Rot S>F
15	Zoom Mode Spot	0	0–254 0 grad 255–255 60 grad
16	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
17	C TO	0	0–15 No Func 16–45 <3200K 46–75 3200K-3500K 76–105 3500K-5000K 106–135 5000K-5500K 136–165 5500K-6000K 166–195 6000K-6500K 196–225 6500K-7000K 226–255 7000K-8000K
18	Color Effects1	0	0–15 Off 16–255 On

25ch (continued)

Ch	Function	Default	DMX values
19	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
20	Dimmer	0	0–254 Closed 255–255 Open
21	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
22	Dimmer	0	0–254 Closed 255–255 Open

25ch (continued)

Ch	Function	Default	DMX values
23	Shaper Macros	0	0–15 No Func 16–31 Static Patterns 32–43 Dynamic Scene 1 44–55 Dynamic Scene 2 56–67 Dynamic Scene 3 68–79 Dynamic Scene 4 80–91 Dynamic Scene 5 92–103 Dynamic Scene 6 104–115 Dynamic Scene 7 116–127 Dynamic Scene 8 128–139 Dynamic Scene 9 140–151 Dynamic Scene 10 152–163 Dynamic Scene 11 164–175 Dynamic Scene 12 176–187 Dynamic Scene 13 188–199 Dynamic Scene 14 200–211 Dynamic Scene 15 212–223 Dynamic Scene 16 224–235 Dynamic Scene 17 236–247 Dynamic Scene 18 248–255 Dynamic Scene 19
24	Shaper Macros Speed	0	0–7 Static Scene 1 8–15 Static Scene 2 16–23 Static Scene 3 24–31 Static Scene 4 32–39 Static Scene 5 40–47 Static Scene 6 48–55 Static Scene 7 56–63 Static Scene 8 64–71 Static Scene 9 72–79 Static Scene 10 80–87 Static Scene 11 88–95 Static Scene 12 96–103 Static Scene 13 104–111 Static Scene 14 112–119 Static Scene 15 120–127 Static Scene 16 128–135 Static Scene 17 136–137 Static Scene 18 138–141 Stop 142–143 CCW S>F 144–151 Static Scene 19 152–159 Static Scene 20 160–167 Static Scene 21 168–175 Static Scene 22 176–183 Static Scene 23 184–191 Static Scene 24 192–199 Static Scene 25 200–207 Static Scene 26 208–215 Static Scene 27 216–223 Static Scene 28 224–231 Static Scene 29 232–239 Static Scene 30 240–247 Static Scene 31 248–255 Static Scene 32

25ch (continued)

Ch	Function	Default	DMX values
25	Function	0	0–19 No Func 20–24 Fan Auto 25–29 Fan Max 30–34 Fan Med 35–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 60–61 Dim Mode 1 62–63 Dim Mode 2 64–65 Dim Mode 3 66–67 Dim Mode 4 68–79 No Func 80–89 All Motor Reset 90–94 SCAN Reser 95–99 Zoom Reser 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 1

29ch

29 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	Position MSpeed	0	0–225 Max>Min 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Strobe Mode Strobe	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
9	Red	0	
10	Red Fine	0	Fine byte of Red
11	Green	0	
12	Green Fine	0	Fine byte of Green
13	Blue	0	
14	Blue Fine	0	Fine byte of Blue
15	White	0	

29ch (continued)

Ch	Function	Default	DMX values
16	White Fine	0	Fine byte of White
17	Zoom	0	0–254 Near 255–255 Far
18	Zoom Mode	0	0–15 Stop 16–63 Shake S>F 64–156 CW Rot F>S 157–162 Stop 163–255 CCW Rot S>F
19	Zoom Mode Spot	0	0–254 0 grad 255–255 60 grad
20	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
21	C TO	0	0–15 No Func 16–45 <3200K 46–75 3200K-3500K 76–105 3500K-5000K 106–135 5000K-5500K 136–165 5500K-6000K 166–195 6000K-6500K 196–225 6500K-7000K 226–255 7000K-8000K
22	Color Effects1	0	0–15 Off 16–255 On

29ch (continued)

Ch	Function	Default	DMX values
23	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
24	Dimmer	0	0–254 Closed 255–255 Open
25	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
26	Dimmer	0	0–254 Closed 255–255 Open

29ch (continued)

Ch	Function	Default	DMX values
27	Shaper Macros	0	0–15 No Func 16–31 Static Patterns 32–43 Dynamic Scene 1 44–55 Dynamic Scene 2 56–67 Dynamic Scene 3 68–79 Dynamic Scene 4 80–91 Dynamic Scene 5 92–103 Dynamic Scene 6 104–115 Dynamic Scene 7 116–127 Dynamic Scene 8 128–139 Dynamic Scene 9 140–151 Dynamic Scene 10 152–163 Dynamic Scene 11 164–175 Dynamic Scene 12 176–187 Dynamic Scene 13 188–199 Dynamic Scene 14 200–211 Dynamic Scene 15 212–223 Dynamic Scene 16 224–235 Dynamic Scene 17 236–247 Dynamic Scene 18 248–255 Dynamic Scene 19
28	Shaper Macros Speed	0	0–7 Static Scene 1 8–15 Static Scene 2 16–23 Static Scene 3 24–31 Static Scene 4 32–39 Static Scene 5 40–47 Static Scene 6 48–55 Static Scene 7 56–63 Static Scene 8 64–71 Static Scene 9 72–79 Static Scene 10 80–87 Static Scene 11 88–95 Static Scene 12 96–103 Static Scene 13 104–111 Static Scene 14 112–119 Static Scene 15 120–127 Static Scene 16 128–135 Static Scene 17 136–137 Static Scene 18 138–141 Stop 142–143 CCW S>F 144–151 Static Scene 19 152–159 Static Scene 20 160–167 Static Scene 21 168–175 Static Scene 22 176–183 Static Scene 23 184–191 Static Scene 24 192–199 Static Scene 25 200–207 Static Scene 26 208–215 Static Scene 27 216–223 Static Scene 28 224–231 Static Scene 29 232–239 Static Scene 30 240–247 Static Scene 31 248–255 Static Scene 32

29ch (continued)

Ch	Function	Default	DMX values
29	Function	0	0–19 No Func 20–24 Fan Auto 25–29 Fan Max 30–34 Fan Med 35–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 60–61 Dim Mode 1 62–63 Dim Mode 2 64–65 Dim Mode 3 66–67 Dim Mode 4 68–79 No Func 80–89 All Motor Reset 90–94 SCAN Reser 95–99 Zoom Reser 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 1

52ch

52 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	Position MSpeed	0	0–225 Max>Min 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Strobe Mode Strobe	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	Red	0	
9	Green	0	
10	Blue	0	
11	White	0	
12	Zoom	0	0–254 Near 255–255 Far

52ch (continued)

Ch	Function	Default	DMX values
13	Zoom Mode	0	0–15 Stop 16–63 Shake S>F 64–156 CW Rot F>S 157–162 Stop 163–255 CCW Rot S>F
14	Zoom Mode Spot	0	0–254 0 grad 255–255 60 grad
15	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
16	C TO	0	0–15 No Func 16–45 <3200K 46–75 3200K-3500K 76–105 3500K-5000K 106–135 5000K-5500K 136–165 5500K-6000K 166–195 6000K-6500K 196–225 6500K-7000K 226–255 7000K-8000K
17	Color Effects1	0	0–15 Off 16–255 On

52ch (continued)

Ch	Function	Default	DMX values
18	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
19	Dimmer	0	0–254 Closed 255–255 Open
20	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
21	Dimmer	0	0–254 Closed 255–255 Open

52ch (continued)

Ch	Function	Default	DMX values
22	Shaper Macros	0	0–15 No Func 16–31 Static Patterns 32–43 Dynamic Scene 1 44–55 Dynamic Scene 2 56–67 Dynamic Scene 3 68–79 Dynamic Scene 4 80–91 Dynamic Scene 5 92–103 Dynamic Scene 6 104–115 Dynamic Scene 7 116–127 Dynamic Scene 8 128–139 Dynamic Scene 9 140–151 Dynamic Scene 10 152–163 Dynamic Scene 11 164–175 Dynamic Scene 12 176–187 Dynamic Scene 13 188–199 Dynamic Scene 14 200–211 Dynamic Scene 15 212–223 Dynamic Scene 16 224–235 Dynamic Scene 17 236–247 Dynamic Scene 18 248–255 Dynamic Scene 19
23	Shaper Macros Speed	0	0–7 Static Scene 1 8–15 Static Scene 2 16–23 Static Scene 3 24–31 Static Scene 4 32–39 Static Scene 5 40–47 Static Scene 6 48–55 Static Scene 7 56–63 Static Scene 8 64–71 Static Scene 9 72–79 Static Scene 10 80–87 Static Scene 11 88–95 Static Scene 12 96–103 Static Scene 13 104–111 Static Scene 14 112–119 Static Scene 15 120–127 Static Scene 16 128–135 Static Scene 17 136–137 Static Scene 18 138–141 Stop 142–143 CCW S>F 144–151 Static Scene 19 152–159 Static Scene 20 160–167 Static Scene 21 168–175 Static Scene 22 176–183 Static Scene 23 184–191 Static Scene 24 192–199 Static Scene 25 200–207 Static Scene 26 208–215 Static Scene 27 216–223 Static Scene 28 224–231 Static Scene 29 232–239 Static Scene 30 240–247 Static Scene 31 248–255 Static Scene 32
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	

52ch (continued)

Ch	Function	Default	DMX values
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Function	0	0–19 No Func 20–24 Fan Auto 25–29 Fan Max 30–34 Fan Med 35–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 60–61 Dim Mode 1 62–63 Dim Mode 2 64–65 Dim Mode 3 66–67 Dim Mode 4 68–79 No Func 80–89 All Motor Reset 90–94 SCAN Reser 95–99 Zoom Reser 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 1

53ch

53 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	Position MSpeed	0	0–225 Max>Min 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Strobe Mode Strobe	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
9	Red	0	
10	Green	0	
11	Blue	0	
12	White	0	
13	Zoom	0	0–254 Near 255–255 Far
14	Zoom Mode	0	0–15 Stop 16–63 Shake S>F 64–156 CW Rot F>S 157–162 Stop 163–255 CCW Rot S>F
15	Zoom Mode Spot	0	0–254 0 grad 255–255 60 grad
16	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K

53ch (continued)

Ch	Function	Default	DMX values
17	C TO	0	0–15 No Func 16–45 <3200K 46–75 3200K-3500K 76–105 3500K-5000K 106–135 5000K-5500K 136–165 5500K-6000K 166–195 6000K-6500K 196–225 6500K-7000K 226–255 7000K-8000K
18	Color Effects1	0	0–15 Off 16–255 On
19	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
20	Dimmer	0	0–254 Closed 255–255 Open
21	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K

53ch (continued)

Ch	Function	Default	DMX values
22	Dimmer	0	0–254 Closed 255–255 Open
23	Shaper Macros	0	0–15 No Func 16–31 Static Patterns 32–43 Dynamic Scene 1 44–55 Dynamic Scene 2 56–67 Dynamic Scene 3 68–79 Dynamic Scene 4 80–91 Dynamic Scene 5 92–103 Dynamic Scene 6 104–115 Dynamic Scene 7 116–127 Dynamic Scene 8 128–139 Dynamic Scene 9 140–151 Dynamic Scene 10 152–163 Dynamic Scene 11 164–175 Dynamic Scene 12 176–187 Dynamic Scene 13 188–199 Dynamic Scene 14 200–211 Dynamic Scene 15 212–223 Dynamic Scene 16 224–235 Dynamic Scene 17 236–247 Dynamic Scene 18 248–255 Dynamic Scene 19
24	Shaper Macros Speed	0	0–7 Static Scene 1 8–15 Static Scene 2 16–23 Static Scene 3 24–31 Static Scene 4 32–39 Static Scene 5 40–47 Static Scene 6 48–55 Static Scene 7 56–63 Static Scene 8 64–71 Static Scene 9 72–79 Static Scene 10 80–87 Static Scene 11 88–95 Static Scene 12 96–103 Static Scene 13 104–111 Static Scene 14 112–119 Static Scene 15 120–127 Static Scene 16 128–135 Static Scene 17 136–137 Static Scene 18 138–141 Stop 142–143 CCW S>F 144–151 Static Scene 19 152–159 Static Scene 20 160–167 Static Scene 21 168–175 Static Scene 22 176–183 Static Scene 23 184–191 Static Scene 24 192–199 Static Scene 25 200–207 Static Scene 26 208–215 Static Scene 27 216–223 Static Scene 28 224–231 Static Scene 29 232–239 Static Scene 30 240–247 Static Scene 31 248–255 Static Scene 32
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	

53ch (continued)

Ch	Function	Default	DMX values
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Function	0	0–19 No Func 20–24 Fan Auto 25–29 Fan Max 30–34 Fan Med 35–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 60–61 Dim Mode 1 62–63 Dim Mode 2 64–65 Dim Mode 3 66–67 Dim Mode 4 68–79 No Func 80–89 All Motor Reset 90–94 SCAN Reser 95–99 Zoom Reser 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 1

57ch

57 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	Position MSpeed	0	0–225 Max>Min 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Strobe Mode Strobe	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
9	Red	0	
10	Red Fine	0	Fine byte of Red
11	Green	0	
12	Green Fine	0	Fine byte of Green
13	Blue	0	
14	Blue Fine	0	Fine byte of Blue
15	White	0	
16	White Fine	0	Fine byte of White
17	Zoom	0	0–254 Near 255–255 Far
18	Zoom Mode	0	0–15 Stop 16–63 Shake S>F 64–156 CW Rot F>S 157–162 Stop 163–255 CCW Rot S>F
19	Zoom Mode Spot	0	0–254 0 grad 255–255 60 grad

57ch (continued)

Ch	Function	Default	DMX values
20	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
21	C TO	0	0–15 No Func 16–45 <3200K 46–75 3200K-3500K 76–105 3500K-5000K 106–135 5000K-5500K 136–165 5500K-6000K 166–195 6000K-6500K 196–225 6500K-7000K 226–255 7000K-8000K
22	Color Effects1	0	0–15 Off 16–255 On
23	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
24	Dimmer	0	0–254 Closed 255–255 Open

57ch (continued)

Ch	Function	Default	DMX values
25	Color Macro1	0	0–0 No Func 1–13 Red 14–27 Green 28–41 Blue 42–55 White 56–69 R+W 70–83 G+W 84–97 B+W 98–111 G+B 112–125 R+B 126–139 R+G 140–153 GBW 154–167 RBW 168–181 RGW 182–195 RGBW 196–202 2700K 203–209 3200K 210–216 3500K 217–223 5000K 224–230 5500K 231–237 6000K 238–244 6500K 245–251 7000K 252–255 8000K
26	Dimmer	0	0–254 Closed 255–255 Open
27	Shaper Macros	0	0–15 No Func 16–31 Static Patterns 32–43 Dynamic Scene 1 44–55 Dynamic Scene 2 56–67 Dynamic Scene 3 68–79 Dynamic Scene 4 80–91 Dynamic Scene 5 92–103 Dynamic Scene 6 104–115 Dynamic Scene 7 116–127 Dynamic Scene 8 128–139 Dynamic Scene 9 140–151 Dynamic Scene 10 152–163 Dynamic Scene 11 164–175 Dynamic Scene 12 176–187 Dynamic Scene 13 188–199 Dynamic Scene 14 200–211 Dynamic Scene 15 212–223 Dynamic Scene 16 224–235 Dynamic Scene 17 236–247 Dynamic Scene 18 248–255 Dynamic Scene 19

57ch (continued)

Ch	Function	Default	DMX values
28	Shaper Macros Speed	0	0–7 Static Scene 1 8–15 Static Scene 2 16–23 Static Scene 3 24–31 Static Scene 4 32–39 Static Scene 5 40–47 Static Scene 6 48–55 Static Scene 7 56–63 Static Scene 8 64–71 Static Scene 9 72–79 Static Scene 10 80–87 Static Scene 11 88–95 Static Scene 12 96–103 Static Scene 13 104–111 Static Scene 14 112–119 Static Scene 15 120–127 Static Scene 16 128–135 Static Scene 17 136–137 Static Scene 18 138–141 Stop 142–143 CCW S>F 144–151 Static Scene 19 152–159 Static Scene 20 160–167 Static Scene 21 168–175 Static Scene 22 176–183 Static Scene 23 184–191 Static Scene 24 192–199 Static Scene 25 200–207 Static Scene 26 208–215 Static Scene 27 216–223 Static Scene 28 224–231 Static Scene 29 232–239 Static Scene 30 240–247 Static Scene 31 248–255 Static Scene 32
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	

57ch (continued)

Ch	Function	Default	DMX values
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Function	0	0–19 No Func 20–24 Fan Auto 25–29 Fan Max 30–34 Fan Med 35–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square Law 55–59 Inv Square Law 60–61 Dim Mode 1 62–63 Dim Mode 2 64–65 Dim Mode 3 66–67 Dim Mode 4 68–79 No Func 80–89 All Motor Reset 90–94 SCAN Reser 95–99 Zoom Reser 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 1