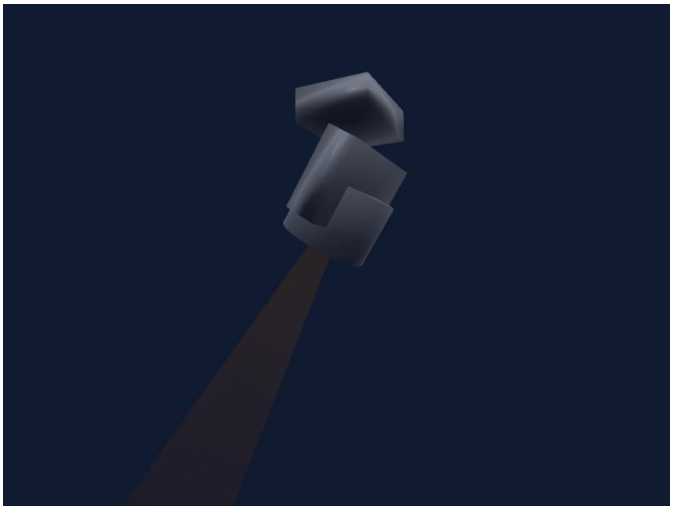
Stage4

broWASH-S 19x25 XW



Manufacturer	**Stage4**
Type	**Moving head**
DMX modes	**6**
DMX footprint	**16, 21, 22, 27, 38, 43 channels**
Beam angle	**7-25°**
Pan range	**1°**
Tilt range	**1°**
Heads / cells	**2**
Size (W × H × D)	**411 × 247 × 99 mm**
GDTF fixture type	**78580A6A-6C75-4B26-88CE-02…**

Controls

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

Safety-relevant functions

Built-in effect programmes

DMX modes

16 DMX	16 ch
21 DMX	21 ch
22 DMX	22 ch
27 DMX	27 ch
38 DMX Pix	38 ch
43 DMX Pix	43 ch

16 DMX

16 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–224 Fast 225–225 Slow 226–235 BO Move 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Shutter1Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–144 Min 145–145 Max 146–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	Zoom	127	
13	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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
14	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K
15	Color Effects1	0	0–15 Open 16–255 Tungsten FX

16 DMX (continued)

Ch	Function	Default	DMX values
16	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan Speed S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 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 Reset All 90–94 Reset SCAN 95–99 Reset Zoom 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

21 DMX

21 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–224 Fast 225–225 Slow 226–235 BO Move 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter1Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–144 Min 145–145 Max 146–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	

21 DMX (continued)

Ch	Function	Default	DMX values
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Zoom	127	
18	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K
20	Color Effects1	0	0–15 Open 16–255 Tungsten FX
21	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan Speed S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 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 Reset All 90–94 Reset SCAN 95–99 Reset Zoom 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

22 DMX

22 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–224 Fast 225–225 Slow 226–235 BO Move 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Shutter1Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–144 Min 145–145 Max 146–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	Zoom	127	
13	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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
14	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K
15	Color Effects1	0	0–15 Open 16–255 Tungsten FX

22 DMX (continued)

Ch	Function	Default	DMX values
16	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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	Dimmer	0	0–254 Closed 255–255 Open
18	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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	

22 DMX (continued)

Ch	Function	Default	DMX values
20	Effect	0	0–15 No Func 16–31 Static Patterns 32–45 Dymamic 1 46–59 Dymamic 2 60–73 Dymamic 3 74–87 Dymamic 4 88–101 Dymamic 5 102–115 Dymamic 6 116–129 Dymamic 7 130–143 Dymamic 8 144–157 Multi Color 1 158–171 Multi Color 2 172–185 Multi Color 3 186–199 Multi Color 4 200–213 Multi Color 5 214–227 Multi Color 6 228–241 Multi Color 7 242–255 Multi Color 8
21	Effect Speed	0	0–15 Static 1 16–23 Static 2 24–31 CW Speed Min 32–47 Static 3 48–63 Static 4 64–79 Static 5 80–95 Static 6 96–111 Static 7 112–127 Static 8 128–136 Static 9 137–137 CCW Speed Max 138–141 Stop 142–143 CW Speed Max 144–159 Static 10 160–175 Static 11 176–191 Static 12 192–207 Static 13 208–223 Static 14 224–239 Static 15 240–254 Static 16 255–255 CCW Speed Min

22 DMX (continued)

Ch	Function	Default	DMX values
22	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan Speed S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 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 Reset All 90–94 Reset SCAN 95–99 Reset Zoom 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

27 DMX

27 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–224 Fast 225–225 Slow 226–235 BO Move 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter1Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–144 Min 145–145 Max 146–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	

27 DMX (continued)

Ch	Function	Default	DMX values
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Zoom	127	
18	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K
20	Color Effects1	0	0–15 Open 16–255 Tungsten FX
21	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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

27 DMX (continued)

Ch	Function	Default	DMX values
23	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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	
25	Effect	0	0–15 No Func 16–31 Static Patterns 32–45 Dymamic 1 46–59 Dymamic 2 60–73 Dymamic 3 74–87 Dymamic 4 88–101 Dymamic 5 102–115 Dymamic 6 116–129 Dymamic 7 130–143 Dymamic 8 144–157 Multi Color 1 158–171 Multi Color 2 172–185 Multi Color 3 186–199 Multi Color 4 200–213 Multi Color 5 214–227 Multi Color 6 228–241 Multi Color 7 242–255 Multi Color 8

27 DMX (continued)

Ch	Function	Default	DMX values
26	Effect Speed	0	0–15 Static 1 16–23 Static 2 24–31 CW Speed Min 32–47 Static 3 48–63 Static 4 64–79 Static 5 80–95 Static 6 96–111 Static 7 112–127 Static 8 128–136 Static 9 137–137 CCW Speed Max 138–141 Stop 142–143 CW Speed Max 144–159 Static 10 160–175 Static 11 176–191 Static 12 192–207 Static 13 208–223 Static 14 224–239 Static 15 240–254 Static 16 255–255 CCW Speed Min
27	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan Speed S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 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 Reset All 90–94 Reset SCAN 95–99 Reset Zoom 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

38 DMX Pix

38 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–224 Fast 225–225 Slow 226–235 BO Move 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open

38 DMX Pix (continued)

Ch	Function	Default	DMX values
7	Shutter1Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–144 Min 145–145 Max 146–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	Zoom	127	
13	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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
14	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K
15	Color Effects1	0	0–15 Open 16–255 Tungsten FX

38 DMX Pix (continued)

Ch	Function	Default	DMX values
16	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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	Dimmer	0	0–254 Closed 255–255 Open
18	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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	

38 DMX Pix (continued)

Ch	Function	Default	DMX values
20	Effect	0	0–15 No Func 16–31 Static Patterns 32–45 Dymamic 1 46–59 Dymamic 2 60–73 Dymamic 3 74–87 Dymamic 4 88–101 Dymamic 5 102–115 Dymamic 6 116–129 Dymamic 7 130–143 Dymamic 8 144–157 Multi Color 1 158–171 Multi Color 2 172–185 Multi Color 3 186–199 Multi Color 4 200–213 Multi Color 5 214–227 Multi Color 6 228–241 Multi Color 7 242–255 Multi Color 8
21	Effect Speed	0	0–15 Static 1 16–23 Static 2 24–31 CW Speed Min 32–47 Static 3 48–63 Static 4 64–79 Static 5 80–95 Static 6 96–111 Static 7 112–127 Static 8 128–136 Static 9 137–137 CCW Speed Max 138–141 Stop 142–143 CW Speed Max 144–159 Static 10 160–175 Static 11 176–191 Static 12 192–207 Static 13 208–223 Static 14 224–239 Static 15 240–254 Static 16 255–255 CCW Speed Min
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
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 DMX Pix (continued)

Ch	Function	Default	DMX values
38	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan Speed S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 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 Reset All 90–94 Reset SCAN 95–99 Reset Zoom 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

43 DMX Pix

43 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	0–224 Fast 225–225 Slow 226–235 BO Move 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter1Strobe	50	0–31 Close 32–63 Open 64–94 Min 95–95 Max 96–127 Open 128–144 Min 145–145 Max 146–158 Min 159–159 Max 160–191 Open 192–222 Min 223–223 Max 224–255 Open
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	

43 DMX Pix (continued)

Ch	Function	Default	DMX values
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Zoom	127	
18	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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	C TO	0	0–15 No Func 16–254 2700K 255–255 8000K
20	Color Effects1	0	0–15 Open 16–255 Tungsten FX
21	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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

43 DMX Pix (continued)

Ch	Function	Default	DMX values
23	Color Macro1	0	0–0 Open 1–13 Red 14–27 Green 28–41 Blue 42–55 RGB 56–69 Light Red 70–83 Light Green 84–97 Light Blue 98–111 Cyan 112–125 Magenta 126–139 Yellow 140–153 Light Cyan 154–167 Light Magenta 168–181 Light Yellow 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	
25	Effect	0	0–15 No Func 16–31 Static Patterns 32–45 Dymamic 1 46–59 Dymamic 2 60–73 Dymamic 3 74–87 Dymamic 4 88–101 Dymamic 5 102–115 Dymamic 6 116–129 Dymamic 7 130–143 Dymamic 8 144–157 Multi Color 1 158–171 Multi Color 2 172–185 Multi Color 3 186–199 Multi Color 4 200–213 Multi Color 5 214–227 Multi Color 6 228–241 Multi Color 7 242–255 Multi Color 8

43 DMX Pix (continued)

Ch	Function	Default	DMX values
26	Effect Speed	0	0–15 Static 1 16–23 Static 2 24–31 CW Speed Min 32–47 Static 3 48–63 Static 4 64–79 Static 5 80–95 Static 6 96–111 Static 7 112–127 Static 8 128–136 Static 9 137–137 CCW Speed Max 138–141 Stop 142–143 CW Speed Max 144–159 Static 10 160–175 Static 11 176–191 Static 12 192–207 Static 13 208–223 Static 14 224–239 Static 15 240–254 Static 16 255–255 CCW Speed Min
27	Reserved 27	0	
28	Reserved 28	0	
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 DMX Pix (continued)

Ch	Function	Default	DMX values
43	Function	0	0–19 No Func 20–20 Fan Auto 21–38 Fan Speed S>F 39–39 Fan Min 40–44 Linear 45–49 S-Curve 50–54 Square 55–59 Inv Square 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 Reset All 90–94 Reset SCAN 95–99 Reset Zoom 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