Stage4

broWASH 12x40 FAE



Manufacturer	**Stage4**
Type	**Profile spot**
DMX modes	**6**
DMX footprint	**25, 30, 34, 39, 82, 87 channels**
Beam angle	**4-60°**
Pan range	**540°**
Tilt range	**210°**
Heads / cells	**3**
Size (W × H × D)	**414 × 250 × 130 mm**
GDTF fixture type	**B90FD531-E391-402C-839B-4E...**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe

DMX modes

25ch	25 ch
30ch	30 ch
34ch	34 ch
39ch	39 ch
82ch	82 ch
87ch	87 ch

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 Speed F>S 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open
7	Shutter / Strobe	0	0–31 Closed 32–63 Open 64–95 Strobe S>F 96–127 Open 128–145 Pulse F>S 146–159 Pulse S>F 160–191 Open 192–223 Random Strobe 224–255 Open
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	Zoom	0	0–254 Narrow 255–255 Wide
13	Color Macro1	0	0–0 No Color 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
14	C TO	0	0–15 No CTO 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

25ch (continued)

Ch	Function	Default	DMX values
15	C TC	0	0–14 Tungsten Effect OFF 15–255 Tungsten Effect ON
16	Dimmer	0	0–254 Closed 255–255 Open
17	Strobe Mode Strobe	0	
18	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
19	Shaper Macros	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
20	Shaper Macros Speed	0	
21	Shaper Rot	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
22	Dimmer	0	0–254 Closed 255–255 Open
23	Dimmer	0	0–254 Closed 255–255 Open

25ch (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	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 Law 55–59 Inv Square Law 60–61 Delay 1 62–63 Dalay 2 64–65 Delay 3 66–67 Delay 4 68–79 No Func 80–89 MOTOR Reset 90–94 SCAN Reset 95–99 FOCUS Reset 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 Programm

30ch

30 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 Speed F>S 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

30ch (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–31 Closed 32–63 Open 64–95 Strobe S>F 96–127 Open 128–145 Pulse F>S 146–159 Pulse S>F 160–191 Open 192–223 Random Strobe 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	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Zoom	0	0–254 Narrow 255–255 Wide
18	Color Macro1	0	0–0 No Color 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	C TO	0	0–15 No CTO 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
20	C TC	0	0–14 Tungsten Effect OFF 15–255 Tungsten Effect ON
21	Dimmer	0	0–254 Closed 255–255 Open
22	Strobe Mode Strobe	0	

30ch (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 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	Shaper Macros	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
25	Shaper Macros Speed	0	
26	Shaper Rot	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
27	Dimmer	0	0–254 Closed 255–255 Open
28	Dimmer	0	0–254 Closed 255–255 Open

30ch (continued)

Ch	Function	Default	DMX values
29	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
30	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 Law 55–59 Inv Square Law 60–61 Delay 1 62–63 Dalay 2 64–65 Delay 3 66–67 Delay 4 68–79 No Func 80–89 MOTOR Reset 90–94 SCAN Reset 95–99 FOCUS Reset 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 Programm

34ch

34 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 Speed F>S 226–235 BO Movement 236–255 No Func
6	Dimmer	0	0–254 Closed 255–255 Open

34ch (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	0	0–31 Closed 32–63 Open 64–95 Strobe S>F 96–127 Open 128–145 Pulse F>S 146–159 Pulse S>F 160–191 Open 192–223 Random Strobe 224–255 Open
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	Zoom	0	0–254 Narrow 255–255 Wide
13	Color Macro1	0	0–0 No Color 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
14	C TO	0	0–15 No CTO 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
15	C TC	0	0–14 Tungsten Effect OFF 15–255 Tungsten Effect ON

34ch (continued)

Ch	Function	Default	DMX values
16	Color Macro1	0	0–0 No Color 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	Dimmer	0	0–254 Closed 255–255 Open
18	Color Macro1	0	0–0 No Color 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

34ch (continued)

Ch	Function	Default	DMX values
20	Shaper Macros	0	0–15 No Func 16–31 Static Patterns 32–46 Scene 1 47–61 Scene 2 62–76 Scene 3 77–91 Scene 4 92–106 Scene 5 107–121 Scene 6 122–136 Scene 7 137–151 Scene 8 152–166 Scene 9 167–181 Scene 10 182–196 Scene 11 197–211 Scene 12 212–226 Scene 13 227–241 Scene 14 242–255 Scene 15
21	Shaper Macros Speed	0	0–17 Scene 1 18–23 Scene 2 24–35 Speed S>F 36–53 Scene 3 54–71 Scene 4 72–89 Scene 5 90–107 Scene 6 108–125 Scene 7 126–137 Scene 8 138–141 Stop 142–143 Speed F>S 144–161 Scene 9 162–179 Scene 10 180–197 Scene 11 198–215 Scene 12 216–233 Scene 13 234–251 Scene 14 252–255 Scene 15
22	Dimmer	0	0–254 Closed 255–255 Open
23	Strobe Mode Strobe	0	
24	Red	0	
25	Green	0	
26	Blue	0	
27	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

34ch (continued)

Ch	Function	Default	DMX values
28	Shaper Macros	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
29	Shaper Macros Speed	0	
30	Shaper Rot	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
31	Dimmer	0	0–254 Closed 255–255 Open
32	Dimmer	0	0–254 Closed 255–255 Open
33	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

34ch (continued)

Ch	Function	Default	DMX values
34	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 Law 55–59 Inv Square Law 60–61 Delay 1 62–63 Dalay 2 64–65 Delay 3 66–67 Delay 4 68–79 No Func 80–89 MOTOR Reset 90–94 SCAN Reset 95–99 FOCUS Reset 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 Programm

39ch

39 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 Speed F>S 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	Shutter / Strobe	0	0–31 Closed 32–63 Open 64–95 Strobe S>F 96–127 Open 128–145 Pulse F>S 146–159 Pulse S>F 160–191 Open 192–223 Random Strobe 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	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White

39ch (continued)

Ch	Function	Default	DMX values
17	Zoom	0	0–254 Narrow 255–255 Wide
18	Color Macro1	0	0–0 No Color 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	C TO	0	0–15 No CTO 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
20	C TC	0	0–14 Tungsten Effect OFF 15–255 Tungsten Effect ON
21	Color Macro1	0	0–0 No Color 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

39ch (continued)

Ch	Function	Default	DMX values
22	Dimmer	0	0–254 Closed 255–255 Open
23	Color Macro1	0	0–0 No Color 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	Shaper Macros	0	0–15 No Func 16–31 Static Patterns 32–46 Scene 1 47–61 Scene 2 62–76 Scene 3 77–91 Scene 4 92–106 Scene 5 107–121 Scene 6 122–136 Scene 7 137–151 Scene 8 152–166 Scene 9 167–181 Scene 10 182–196 Scene 11 197–211 Scene 12 212–226 Scene 13 227–241 Scene 14 242–255 Scene 15

39ch (continued)

Ch	Function	Default	DMX values
26	Shaper Macros Speed	0	0–17 Scene 1 18–23 Scene 2 24–35 Speed S>F 36–53 Scene 3 54–71 Scene 4 72–89 Scene 5 90–107 Scene 6 108–125 Scene 7 126–137 Scene 8 138–141 Stop 142–143 Speed F>S 144–161 Scene 9 162–179 Scene 10 180–197 Scene 11 198–215 Scene 12 216–233 Scene 13 234–251 Scene 14 252–255 Scene 15
27	Dimmer	0	0–254 Closed 255–255 Open
28	Strobe Mode Strobe	0	
29	Red	0	
30	Green	0	
31	Blue	0	
32	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
33	Shaper Macros	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
34	Shaper Macros Speed	0	

39ch (continued)

Ch	Function	Default	DMX values
35	Shaper Rot	0	0–15 No Func 16–31 Scene 1 32–47 Scene 2 48–63 Scene 3 64–79 Scene 4 80–95 Scene 5 96–111 Scene 6 112–127 Scene 7 128–143 Scene 8 144–159 Scene 9 160–175 Scene 10 176–191 Scene 11 192–207 Scene 12 208–223 Scene 13 224–239 Scene 14 240–255 Scene 15
36	Dimmer	0	0–254 Closed 255–255 Open
37	Dimmer	0	0–254 Closed 255–255 Open
38	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
39	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 Law 55–59 Inv Square Law 60–61 Delay 1 62–63 Dalay 2 64–65 Delay 3 66–67 Delay 4 68–79 No Func 80–89 MOTOR Reset 90–94 SCAN Reset 95–99 FOCUS Reset 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 Programm

82ch

82 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	
6	Dimmer	0	
7	Shutter / Strobe	0	0–31 Closed 32–63 Open 64–95 Strobe S>F 96–127 Open 128–145 Pulse F>S 146–159 Pulse S>F 160–191 Open 192–223 Random Strobe 224–255 Open
8	Red	255	
9	Green	255	
10	Blue	255	
11	White	255	
12	Zoom	0	
13	Color Macro1	0	
14	C TO	0	
15	C TC	0	
16	Color Macro1	0	
17	Dimmer	0	
18	Color Macro1	0	
19	Dimmer	0	
20	Shaper Macros	0	
21	Shaper Macros Speed	0	
22	Dimmer	0	
23	Strobe Mode Strobe	0	
24	Red	0	
25	Green	0	
26	Blue	0	
27	Color Macro1	0	
28	Shaper Macros	0	
29	Shaper Macros Speed	0	
30	Shaper Rot	0	
31	Dimmer	0	
32	Dimmer	0	
33	Color Macro1	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	

82ch (continued)

Ch	Function	Default	DMX values
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	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Function	0	

87ch

87 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	
6	Dimmer	0	
7	Dimmer Fine	0	Fine byte of Dimmer
8	Shutter / Strobe	0	0–31 Closed 32–63 Open 64–95 Strobe S>F 96–127 Open 128–145 Pulse F>S 146–159 Pulse S>F 160–191 Open 192–223 Random Strobe 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	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Zoom	0	
18	Color Macro1	0	
19	C TO	0	
20	C TC	0	
21	Color Macro1	0	
22	Dimmer	0	
23	Color Macro1	0	
24	Dimmer	0	
25	Shaper Macros	0	
26	Shaper Macros Speed	0	
27	Dimmer	0	
28	Strobe Mode Strobe	0	
29	Red	0	
30	Green	0	
31	Blue	0	
32	Color Macro1	0	
33	Shaper Macros	0	
34	Shaper Macros Speed	0	
35	Shaper Rot	0	
36	Dimmer	0	
37	Dimmer	0	
38	Color Macro1	0	
39	Reserved 39	0	

87ch (continued)

Ch	Function	Default	DMX values
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	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Reserved 77	0	
78	Reserved 78	0	
79	Reserved 79	0	
80	Reserved 80	0	
81	Reserved 81	0	
82	Reserved 82	0	
83	Reserved 83	0	
84	Reserved 84	0	

87ch (continued)

Ch	Function	Default	DMX values
85	Reserved 85	0	
86	Reserved 86	0	
87	Function	0	