DLW

DLW 480BSW IP



Manufacturer	**DLW**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**24, 28, 36 channels**
Beam angle	**1.8-30°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**299 × 562 × 255 mm**
GDTF fixture type	**C0342446-83A8-499F-BC7B-5E...**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · CMY colour mixing · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset · Built-in effect programmes

DMX modes

Mode1-24Ch	24 ch
Mode2-28Ch	28 ch
Mode3-36Ch	36 ch

Mode1-24Ch

24 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Shutter / Strobe	49	0–19 Closed 20–49 Open 50–199 min Strobe 200–200 max Strobe 201–210 Open 2 211–254 Random · min Rnd 1–14.7 Hz 255–255 Random · max Rnd 15 Hz
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Focus	127	
9	Zoom	128	0–126 wide 127–254 normal 255–255 narrow
10	Cyan	0	
11	Magenta	0	
12	Yellow	0	
13	Homogenization	0	
14	Color Wheel	0	0–1 Open (wheel slot 1) 2–14 Red (wheel slot 2) 15–25 Yellow (wheel slot 3) 26–36 Plum red (wheel slot 4) 37–47 Yellow green (wheel slot 5) 48–58 Pink (wheel slot 6) 59–69 Orange (wheel slot 7) 70–80 Light green (wheel slot 8) 81–91 5600K (wheel slot 9) 92–102 3200K (wheel slot 10) 103–113 2500K (wheel slot 11) 114–124 Blue (wheel slot 12) 125–127 Open (wheel slot 1) 128–128 >>> 129–189 >> 190–190 > 191–192 Stop 193–193 < 194–254 << 255–255 <<<

Mode1-24Ch (continued)

Ch	Function	Default	DMX values
15	Gobo	0	0–9 Open (wheel slot 1) 10–18 RG1 (wheel slot 2) 19–27 RG2 (wheel slot 3) 28–36 RG3 (wheel slot 4) 37–45 RG4 (wheel slot 5) 46–54 RG5 (wheel slot 6) 55–63 RG6 (wheel slot 7) 64–72 RG7 (wheel slot 8) 73–81 RG8 (wheel slot 9) 82–97 RG1 Shake (wheel slot 2) 98–113 RG2 Shake (wheel slot 3) 114–129 RG3 Shake (wheel slot 4) 130–145 RG4 Shake (wheel slot 5) 146–161 RG5 Shake (wheel slot 6) 162–177 RG6 Shake (wheel slot 7) 178–193 RG7 Shake (wheel slot 8) 194–209 RG8 Shake (wheel slot 9) 210–210 >>> 211–231 >> 232–232 > 233–233 < 234–254 << 255–255 <<<
16	Gobo Rotation	0	0–126 Zero 127–127 Max Index 128–128 >>> 129–189 >> 190–190 > 191–192 Stop 193–193 < 194–254 << 255–255 <<<

Mode1-24Ch (continued)

Ch	Function	Default	DMX values
17	Gobo 2	0	0–3 Open (wheel slot 1) 4–7 FG1 (wheel slot 2) 8–11 FG2 (wheel slot 3) 12–15 FG3 (wheel slot 4) 16–18 FG4 (wheel slot 5) 19–22 FG5 (wheel slot 6) 23–26 FG6 (wheel slot 7) 27–30 FG7 (wheel slot 8) 31–34 FG8 (wheel slot 9) 35–37 FG9 (wheel slot 10) 38–41 FG10 (wheel slot 11) 42–45 FG11 (wheel slot 12) 46–49 FG12 (wheel slot 13) 50–53 FG13 (wheel slot 14) 54–56 FG14 (wheel slot 15) 57–60 FG15 (wheel slot 16) 61–64 FG16 (wheel slot 17) 65–68 FG17 (wheel slot 18) 69–71 FG18 (wheel slot 19) 72–72 >>> 73–112 >> 113–113 > 114–117 Stop 118–118 < 119–158 < 159–159 <<< 160–165 FG1 Shake (wheel slot 2) 166–170 FG2 Shake (wheel slot 3) 171–175 FG3 Shake (wheel slot 4) 176–181 FG4 Shake (wheel slot 5) 182–186 FG5 Shake (wheel slot 6) 187–191 FG6 Shake (wheel slot 7) 192–197 FG7 Shake (wheel slot 8) 198–202 FG8 Shake (wheel slot 9) 203–207 FG9 Shake (wheel slot 10) 208–213 FG10 Shake (wheel slot 11) 214–218 FG11 Shake (wheel slot 12) 219–223 FG12 Shake (wheel slot 13) 224–229 FG13 Shake (wheel slot 14) 230–234 FG14 Shake (wheel slot 15) 235–239 FG15 Shake (wheel slot 16) 240–245 FG16 Shake (wheel slot 17) 246–250 FG17 Shake (wheel slot 18) 251–255 FG18 Shake (wheel slot 19)
18	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism (wheel slot 2)
19	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism2 (wheel slot 3)
20	Prism Rotation	0	0–126 zero 127–127 max Index 128–128 >>> 129–189 >> 190–190 > 191–192 Stop 193–193 < 194–254 << 255–255 <<<<
21	Effect	0	0–254 Open (wheel slot 1) 255–255 7 Color Filter (wheel slot 2)
22	Frost1	0	0–254 Open 255–255 Frost

Mode1-24Ch (continued)

Ch	Function	Default	DMX values
23	Macro	0	0–0 Open 1–255 Macro
24	Control1	0	0–9 Normal 10–14 Reset All 15–29 Reset Specific 30–34 Reset P/T 35–39 NoFeature 40–44 Lamp On 45–49 Lamp Off 50–255 NoFeature 1

Mode2-28Ch

28 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Shutter / Strobe	49	0–19 Closed 20–49 Open 50–199 min Strobe 200–200 max Strobe 201–210 Open 2 211–254 Random · min Rnd 1–14.7 Hz 255–255 Random · max Rnd 15 Hz
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Focus	127	
9	Focus Fine	127	Fine byte of Focus
10	Zoom	128	0–126 wide 127–254 normal 255–255 narrow
11	Cyan	0	
12	Magenta	0	
13	Yellow	0	
14	Homogenization	0	

Mode2-28Ch (continued)

Ch	Function	Default	DMX values
15	Color Wheel	0	0–1 Open (wheel slot 1) 2–14 Red (wheel slot 2) 15–25 Yellow (wheel slot 3) 26–36 Plum red (wheel slot 4) 37–47 Yellow green (wheel slot 5) 48–58 Pink (wheel slot 6) 59–69 Orange (wheel slot 7) 70–80 Light green (wheel slot 8) 81–91 5600K (wheel slot 9) 92–102 3200K (wheel slot 10) 103–113 2500K (wheel slot 11) 114–124 Blue (wheel slot 12) 125–127 Open (wheel slot 1) 128–128 >>> 129–189 >> 190–190 > 191–192 Stop 193–193 < 194–254 << 255–255 <<<
16	Gobo	0	0–9 Open (wheel slot 1) 10–18 RG1 (wheel slot 2) 19–27 RG2 (wheel slot 3) 28–36 RG3 (wheel slot 4) 37–45 RG4 (wheel slot 5) 46–54 RG5 (wheel slot 6) 55–63 RG6 (wheel slot 7) 64–72 RG7 (wheel slot 8) 73–81 RG8 (wheel slot 9) 82–97 RG1 Shake (wheel slot 2) 98–113 RG2 Shake (wheel slot 3) 114–129 RG3 Shake (wheel slot 4) 130–145 RG4 Shake (wheel slot 5) 146–161 RG5 Shake (wheel slot 6) 162–177 RG6 Shake (wheel slot 7) 178–193 RG7 Shake (wheel slot 8) 194–209 RG8 Shake (wheel slot 9) 210–210 >>> 211–231 >> 232–232 > 233–233 < 234–254 << 255–255 <<<
17	Gobo Rotation	0	0–126 Zero 127–127 Max Index 128–128 >>> 129–189 >> 190–190 > 191–192 Stop 193–193 < 194–254 << 255–255 <<<
18	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode2-28Ch (continued)

Ch	Function	Default	DMX values
19	Gobo 2	0	0–3 Open (wheel slot 1) 4–7 FG1 (wheel slot 2) 8–11 FG2 (wheel slot 3) 12–15 FG3 (wheel slot 4) 16–18 FG4 (wheel slot 5) 19–22 FG5 (wheel slot 6) 23–26 FG6 (wheel slot 7) 27–30 FG7 (wheel slot 8) 31–34 FG8 (wheel slot 9) 35–37 FG9 (wheel slot 10) 38–41 FG10 (wheel slot 11) 42–45 FG11 (wheel slot 12) 46–49 FG12 (wheel slot 13) 50–53 FG13 (wheel slot 14) 54–56 FG14 (wheel slot 15) 57–60 FG15 (wheel slot 16) 61–64 FG16 (wheel slot 17) 65–68 FG17 (wheel slot 18) 69–71 FG18 (wheel slot 19) 72–72 >>> 73–112 >> 113–113 > 114–117 Stop 118–118 < 119–158 < 159–159 <<< 160–165 FG1 Shake (wheel slot 2) 166–170 FG2 Shake (wheel slot 3) 171–175 FG3 Shake (wheel slot 4) 176–181 FG4 Shake (wheel slot 5) 182–186 FG5 Shake (wheel slot 6) 187–191 FG6 Shake (wheel slot 7) 192–197 FG7 Shake (wheel slot 8) 198–202 FG8 Shake (wheel slot 9) 203–207 FG9 Shake (wheel slot 10) 208–213 FG10 Shake (wheel slot 11) 214–218 FG11 Shake (wheel slot 12) 219–223 FG12 Shake (wheel slot 13) 224–229 FG13 Shake (wheel slot 14) 230–234 FG14 Shake (wheel slot 15) 235–239 FG15 Shake (wheel slot 16) 240–245 FG16 Shake (wheel slot 17) 246–250 FG17 Shake (wheel slot 18) 251–255 FG18 Shake (wheel slot 19)
20	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism (wheel slot 2)
21	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism2 (wheel slot 3)
22	Prism Rotation	0	0–126 zero 127–127 max Index 128–128 >>> 129–189 >> 190–190 > 191–192 Stop 193–193 < 194–254 << 255–255 <<<<
23	Prism Rotation Fine	0	Fine byte of Prism Rotation
24	Effect	0	0–254 Open (wheel slot 1) 255–255 7 Color Filter (wheel slot 2)
25	Effect Fine	0	Fine byte of Effect

Mode2-28Ch (continued)

Ch	Function	Default	DMX values
26	Frost1	0	0–254 Open 255–255 Frost
27	Macro	0	0–0 Open 1–255 Macro
28	Control1	0	0–9 Normal 10–14 Reset All 15–29 Reset Specific 30–34 Reset P/T 35–39 NoFeature 40–44 Lamp On 45–49 Lamp Off 50–255 NoFeature 1

Mode3-36Ch

36 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Shutter / Strobe	49	0–19 Closed 20–49 Open 50–199 min Strobe 200–200 max Strobe 201–210 Open 2 211–254 Random · min Rnd 1–14.7 Hz 255–255 Random · max Rnd 15 Hz
6	Dimmer	0	0–254 Closed 255–255 Open
7	Dimmer Fine	0	Fine byte of Dimmer
8	Focus	127	
9	Focus Fine	127	Fine byte of Focus
10	Zoom	128	0–127 wide 128–254 normal 255–255 narrow
11	Zoom Fine	128	Fine byte of Zoom
12	Cyan	0	
13	Cyan Fine	0	Fine byte of Cyan
14	Magenta	0	
15	Magenta Fine	0	Fine byte of Magenta
16	Yellow	0	
17	Yellow Fine	0	Fine byte of Yellow
18	Homogenization	0	
19	Homogenization Fine	0	Fine byte of Homogenization

Mode3-36Ch (continued)

Ch	Function	Default	DMX values
20	Color Wheel	0	0–1 Open (wheel slot 1) 2–14 Red (wheel slot 2) 15–25 Yellow (wheel slot 3) 26–36 Plum red (wheel slot 4) 37–47 Yellow green (wheel slot 5) 48–58 Pink (wheel slot 6) 59–69 Orange (wheel slot 7) 70–80 Light green (wheel slot 8) 81–91 5600K (wheel slot 9) 92–102 3200K (wheel slot 10) 103–113 2500K (wheel slot 11) 114–124 Blue (wheel slot 12) 125–127 Open (wheel slot 1) 128–128 >>> 129–189 >> 190–190 > 191–192 Stop 193–193 < 194–254 < 255–255 <<<
21	Gobo	0	0–9 Open (wheel slot 1) 10–18 RG1 (wheel slot 2) 19–27 RG2 (wheel slot 3) 28–36 RG3 (wheel slot 4) 37–45 RG4 (wheel slot 5) 46–54 RG5 (wheel slot 6) 55–63 RG6 (wheel slot 7) 64–72 RG7 (wheel slot 8) 73–81 RG8 (wheel slot 9) 82–97 RG1 Shake (wheel slot 2) 98–113 RG2 Shake (wheel slot 3) 114–129 RG3 Shake (wheel slot 4) 130–145 RG4 Shake (wheel slot 5) 146–161 RG5 Shake (wheel slot 6) 162–177 RG6 Shake (wheel slot 7) 178–193 RG7 Shake (wheel slot 8) 194–209 RG8 Shake (wheel slot 9) 210–210 >>> 211–231 >> 232–232 > 233–233 < 234–254 < 255–255 <<<
22	Gobo Rotation	0	0–126 Zero 127–127 Max Index 128–128 >>> 129–189 >> 190–190 > 191–192 Stop 193–193 < 194–254 < 255–255 <<<
23	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode3-36Ch (continued)

Ch	Function	Default	DMX values
24	Gobo 2	0	0–3 Open (wheel slot 1) 4–7 FG1 (wheel slot 2) 8–11 FG2 (wheel slot 3) 12–15 FG3 (wheel slot 4) 16–18 FG4 (wheel slot 5) 19–22 FG5 (wheel slot 6) 23–26 FG6 (wheel slot 7) 27–30 FG7 (wheel slot 8) 31–34 FG8 (wheel slot 9) 35–37 FG9 (wheel slot 10) 38–41 FG10 (wheel slot 11) 42–45 FG11 (wheel slot 12) 46–49 FG12 (wheel slot 13) 50–53 FG13 (wheel slot 14) 54–56 FG14 (wheel slot 15) 57–60 FG15 (wheel slot 16) 61–64 FG16 (wheel slot 17) 65–68 FG17 (wheel slot 18) 69–71 FG18 (wheel slot 19) 72–72 >>> 73–112 >> 113–113 > 114–117 Stop 118–118 < 119–158 < 159–159 <<< 160–165 FG1 Shake (wheel slot 2) 166–170 FG2 Shake (wheel slot 3) 171–175 FG3 Shake (wheel slot 4) 176–181 FG4 Shake (wheel slot 5) 182–186 FG5 Shake (wheel slot 6) 187–191 FG6 Shake (wheel slot 7) 192–197 FG7 Shake (wheel slot 8) 198–202 FG8 Shake (wheel slot 9) 203–207 FG9 Shake (wheel slot 10) 208–213 FG10 Shake (wheel slot 11) 214–218 FG11 Shake (wheel slot 12) 219–223 FG12 Shake (wheel slot 13) 224–229 FG13 Shake (wheel slot 14) 230–234 FG14 Shake (wheel slot 15) 235–239 FG15 Shake (wheel slot 16) 240–245 FG16 Shake (wheel slot 17) 246–250 FG17 Shake (wheel slot 18) 251–255 FG18 Shake (wheel slot 19)
25	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism (wheel slot 2)
26	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism2 (wheel slot 3)
27	Prism Rotation	0	0–126 zero 127–127 max Index 128–128 >>> 129–189 >> 190–190 > 191–192 Stop 193–193 < 194–254 << 255–255 <<<<
28	Prism Rotation Fine	0	Fine byte of Prism Rotation
29	Effect	0	0–254 Open (wheel slot 1) 255–255 7 Color Filter (wheel slot 2)
30	Effect Fine	0	Fine byte of Effect

Mode3-36Ch (continued)

Ch	Function	Default	DMX values
31	Frost1	0	0–254 Open 255–255 Frost
32	Control1	0	0–9 Normal 10–14 Reset All 15–29 Reset Specific 30–34 Reset P/T 35–39 NoFeature 40–44 Lamp On 45–49 Lamp Off 50–255 NoFeature 1
33	Position MSpeed	0	
34	Color Mix MSpeed	0	
35	Focus MSpeed	0	
36	Gobo Wheel1MSpeed	0	