DLW

DLW J120B IP



Manufacturer	**DLW**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**23, 26, 34 channels**
Beam angle	**0.8°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**230 × 330 × 210 mm**
GDTF fixture type	**43689B9E-5F02-45A2-95F4-C27…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

Mode1-23Ch	23 ch
Mode2-26Ch	26 ch
Mode3-34Ch	34 ch

Mode1-23Ch

23 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Pan Rotate	0	0–127 NO fumction 128–128 >>> 129–189 >> 190–190 > 191–192 stop 193–193 < 194–254 < 255–255 <<<
6	Tilt Rotate	0	0–127 NO fumction 128–128 >>> 129–189 >> 190–190 > 191–192 stop 193–193 < 194–254 < 255–255 <<<
7	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
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Focus	127	
11	Cyan	0	
12	Magenta	0	
13	Yellow	0	

Mode1-23Ch (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–127 Color1 1 129–131 Open (wheel slot 1) 132–134 Red (wheel slot 2) 135–137 Yellow (wheel slot 3) 138–140 Plum red (wheel slot 4) 141–143 Yellow green (wheel slot 5) 144–146 Pink (wheel slot 6) 147–149 Orange (wheel slot 7) 150–152 Light green (wheel slot 8) 153–155 Cooling (wheel slot 9) 156–158 2500K (wheel slot 10) 159–161 Deep Yellow (wheel slot 11) 162–164 Dark Red (wheel slot 13) 165–167 Blue (wheel slot 14) 168–170 Orange Yellow (wheel slot 15) 171–173 Shallow Blue (wheel slot 16) 174–176 Deep Blue (wheel slot 19) 177–179 Ultraviole (wheel slot 20) 180–188 Open (wheel slot 1) 189–191 Open2 (wheel slot 1) 192–192 <<< 193–222 << 223–223 < 224–224 > 225–254 >> 255–255 >>>
15	Gobo	0	0–12 Open (wheel slot 11) 13–17 Gobo1 (wheel slot 1) 18–22 Gobo2 (wheel slot 2) 23–27 Gobo3 (wheel slot 3) 28–32 Gobo4 (wheel slot 4) 33–37 gobo5 (wheel slot 5) 38–42 Gobo6 (wheel slot 6) 43–47 Gobo7 (wheel slot 7) 48–52 Gobo8 (wheel slot 8) 53–57 gobo9 (wheel slot 9) 58–62 Gobo10 (wheel slot 10) 63–68 Gobo1 Shake 69–74 Gobo2 Shake 75–80 Gobo3 Shake 81–86 Gobo4 Shake 87–92 Gobo5 Shake 93–98 Gobo6 Shake 99–104 Gobo7 Shake 105–110 Gobo8 Shake 111–116 Gobo9 Shake 117–122 Gobo10 Shake 123–123 >>> 124–190 >> 191–191 > 192–192 <<< 193–254 << 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 <<<<

Mode1-23Ch (continued)

Ch	Function	Default	DMX values
17	Gobo 2	0	0–3 Open (wheel slot 1) 4–5 FG1 (wheel slot 2) 6–7 FG2 (wheel slot 3) 8–9 FG3 (wheel slot 4) 10–11 FG4 (wheel slot 5) 12–13 FG5 (wheel slot 6) 14–15 FG6 (wheel slot 7) 16–17 FG7 (wheel slot 8) 18–19 FG8 (wheel slot 9) 20–21 FG9 (wheel slot 10) 22–23 FG10 (wheel slot 11) 24–25 FG11 (wheel slot 12) 26–27 FG12 (wheel slot 13) 28–29 FG13 (wheel slot 14) 30–31 FG14 (wheel slot 15) 32–33 FG15 (wheel slot 16) 34–35 FG16 (wheel slot 17) 36–37 FG17 (wheel slot 18) 38–39 FG18 (wheel slot 19) 40–41 FG19 (wheel slot 20) 42–43 FG20 (wheel slot 21) 44–45 FG21 (wheel slot 22) 46–47 FG22 (wheel slot 23) 48–49 FG23 (wheel slot 24) 50–52 FG24 (wheel slot 25) 53–57 FG1 Shake (wheel slot 2) 58–62 FG2 Shake (wheel slot 3) 63–67 FG3 Shake (wheel slot 4) 68–72 FG4 Shake (wheel slot 5) 73–77 FG5 Shake (wheel slot 6) 78–82 FG6 Shake (wheel slot 7) 83–87 FG7 Shake (wheel slot 8) 88–92 FG8 Shake (wheel slot 9) 93–97 FG9 Shake (wheel slot 10) 98–102 FG10 Shake (wheel slot 11) 103–107 FG11 Shake (wheel slot 12) 108–112 FG12 Shake (wheel slot 13) 113–117 FG13 Shake (wheel slot 14) 118–122 FG14 Shake (wheel slot 15) 123–127 FG15 Shake (wheel slot 16) 128–132 FG16 Shake (wheel slot 17) 133–137 FG17 Shake (wheel slot 18) 138–142 FG18 Shake (wheel slot 19) 143–147 FG19 Shake (wheel slot 20) 148–152 FG20 Shake (wheel slot 21) 153–157 FG21 Shake (wheel slot 22) 158–162 FG22 Shake (wheel slot 23) 163–167 FG23 Shake (wheel slot 24) 168–172 FG24 Shake (wheel slot 25) 173–173 >>> 174–212 >> 213–213 > 214–214 < 215–254 << 255–255 <<<
18	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism1 (wheel slot 2)

Mode1-23Ch (continued)

Ch	Function	Default	DMX values
19	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 <<<
20	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism2 (wheel slot 3)
21	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 <<<
22	Frost1	0	0–254 Open 255–255 Frost
23	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

Mode2-26Ch

26 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	Pan Rotate	0	
6	Tilt Rotate	0	
7	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
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Focus	127	
11	Cyan	0	
12	Magenta	0	
13	Yellow	0	

Mode2-26Ch (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–128 Color1 1 129–131 Open (wheel slot 1) 132–134 Red (wheel slot 2) 135–137 Yellow (wheel slot 3) 138–140 Plum red (wheel slot 4) 141–143 Yellow green (wheel slot 5) 144–146 Pink (wheel slot 6) 147–149 Orange (wheel slot 7) 150–152 Light green (wheel slot 8) 153–155 Cooling (wheel slot 9) 156–158 2500K (wheel slot 10) 159–161 Deep Yellow (wheel slot 11) 162–164 Fluorescence (wheel slot 12) 165–167 Dark Red (wheel slot 13) 168–170 Blue (wheel slot 14) 171–173 Orange Yellow (wheel slot 15) 174–176 Shallow Blue (wheel slot 16) 177–179 Light Green (wheel slot 17) 180–182 Copious cooling (wheel slot 18) 183–185 Deep Blue (wheel slot 19) 186–188 Ultraviole (wheel slot 20) 189–191 Open2 (wheel slot 1) 192–192 <<< 193–222 << 223–223 < 224–224 > 225–254 >> 255–255 >>>
15	Gobo	0	0–12 Open (wheel slot 11) 13–17 Gobo1 (wheel slot 1) 18–22 Gobo2 (wheel slot 2) 23–27 Gobo3 (wheel slot 3) 28–32 Gobo4 (wheel slot 4) 33–37 Gobo5 (wheel slot 5) 38–42 Gobo6 (wheel slot 6) 43–47 Gobo7 (wheel slot 7) 48–52 Gobo8 (wheel slot 8) 53–57 Gobo9 (wheel slot 9) 58–62 Gobo10 (wheel slot 10) 63–122 Gobo1WheelShake 2 123–123 >>> 124–190 >> 191–191 > 192–192 < 193–254 << 255–255 <<<<
16	Gobo Rotation	0	
17	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode2-26Ch (continued)

Ch	Function	Default	DMX values
18	Gobo 2	0	0–3 Open (wheel slot 1) 4–5 FG1 (wheel slot 2) 6–7 FG2 (wheel slot 3) 8–9 FG3 (wheel slot 4) 10–11 FG4 (wheel slot 5) 12–13 FG5 (wheel slot 6) 14–15 FG6 (wheel slot 7) 16–17 FG7 (wheel slot 8) 18–19 FG8 (wheel slot 9) 20–21 FG9 (wheel slot 10) 22–23 FG10 (wheel slot 11) 24–25 FG11 (wheel slot 12) 26–27 FG12 (wheel slot 13) 28–29 FG13 (wheel slot 14) 30–31 FG14 (wheel slot 15) 32–33 FG15 (wheel slot 16) 34–35 FG16 (wheel slot 17) 36–37 FG17 (wheel slot 18) 38–39 FG18 (wheel slot 19) 40–41 FG19 (wheel slot 20) 42–43 FG20 (wheel slot 21) 44–45 FG21 (wheel slot 22) 46–47 FG22 (wheel slot 23) 48–49 FG23 (wheel slot 24) 50–51 FG24 (wheel slot 25) 52–53 FG25 (wheel slot 26) 54–55 FG26 (wheel slot 27) 56–57 FG27 (wheel slot 28) 58–59 FG28 (wheel slot 29) 60–61 FG29 (wheel slot 30) 62–63 FG30 (wheel slot 31) 64–65 FG31 (wheel slot 32) 66–67 FG32 (wheel slot 33) 68–68 >>> 69–82 >> 83–84 > 85–88 Stop 89–89 < 90–105 << 106–106 << 107–110 FG1 Shake (wheel slot 2) 111–115 FG2 Shake (wheel slot 3) 116–120 FG3 Shake (wheel slot 4) 121–125 FG4 Shake (wheel slot 5) 126–130 FG5 Shake (wheel slot 6) 131–135 FG6 Shake (wheel slot 7) 136–140 FG7 Shake (wheel slot 8) 141–145 FG8 Shake (wheel slot 9) 146–150 FG9 Shake (wheel slot 10) 151–155 FG10 Shake (wheel slot 11) 156–160 FG11 Shake (wheel slot 12) 161–165 FG12 Shake (wheel slot 13) 166–170 FG13 Shake (wheel slot 14) 171–175 FG14 Shake (wheel slot 15) 176–180 FG15 Shake (wheel slot 16) 181–185 FG16 Shake (wheel slot 17) 186–190 FG17 Shake (wheel slot 18) 191–195 FG18 Shake (wheel slot 19) 196–200 FG19 Shake (wheel slot 20) 201–205 FG20 Shake (wheel slot 21) 206–210 FG21 Shake (wheel slot 22) 211–215 FG22 Shake (wheel slot 23) 216–220 FG23 Shake (wheel slot 24) 221–225 FG24 Shake (wheel slot 25)

Mode2-26Ch (continued)

Ch	Function	Default	DMX values
19	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism1 (wheel slot 2)
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	Prism Rotation Fine	0	Fine byte of Prism Rotation
22	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism2 (wheel slot 3)
23	Prism Rotation	0	
24	Prism Rotation Fine	0	Fine byte of Prism Rotation
25	Frost1	0	0–254 Open 255–255 Frost
26	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

Mode3-34Ch

34 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	128	Fine byte of Tilt
5	Pan Rotate	0	
6	Tilt Rotate	0	
7	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
8	Dimmer	0	0–254 Closed 255–255 Open
9	Dimmer Fine	0	Fine byte of Dimmer
10	Focus	127	
11	Focus Fine	127	Fine byte of Focus
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	

Mode3-34Ch (continued)

Ch	Function	Default	DMX values
17	Yellow Fine	0	Fine byte of Yellow
18	Color Wheel	129	0–128 Color1 129–133 Open (wheel slot 1) 134–134 Red (wheel slot 2) 135–137 Yellow (wheel slot 3) 138–140 Plum red (wheel slot 4) 141–143 Yellow green (wheel slot 5) 144–146 Pink (wheel slot 6) 147–149 Orange (wheel slot 7) 150–152 Light green (wheel slot 8) 153–155 Cooling (wheel slot 9) 156–158 2500K (wheel slot 10) 159–161 Deep Yellow (wheel slot 11) 162–164 Fluorescence (wheel slot 12) 165–167 Dark Red (wheel slot 13) 168–170 Blue (wheel slot 14) 171–173 Orange Yellow (wheel slot 15) 174–176 Shallow Blue (wheel slot 16) 177–179 Light Green (wheel slot 17) 180–182 Copious cooling (wheel slot 18) 183–185 Deep Blue (wheel slot 19) 186–188 Ultraviole (wheel slot 20) 189–191 Open2 (wheel slot 1) 192–192 <<< 193–222 << 223–223 < 224–224 > 225–254 >> 255–255 >>>
19	Gobo	0	
20	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 <<<
21	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

Mode3-34Ch (continued)

Ch	Function	Default	DMX values
22	Gobo 2	0	0–3 Open (wheel slot 1) 4–5 FG1 (wheel slot 2) 6–7 FG2 (wheel slot 3) 8–9 FG3 (wheel slot 4) 10–11 FG4 (wheel slot 5) 12–13 FG5 (wheel slot 6) 14–15 FG6 (wheel slot 7) 16–17 FG7 (wheel slot 8) 18–19 FG8 (wheel slot 9) 20–21 FG9 (wheel slot 10) 22–23 FG10 (wheel slot 11) 24–25 FG11 (wheel slot 12) 26–27 FG12 (wheel slot 13) 28–29 FG13 (wheel slot 14) 30–31 FG14 (wheel slot 15) 32–33 FG15 (wheel slot 16) 34–35 FG16 (wheel slot 17) 36–37 FG17 (wheel slot 18) 38–39 FG18 (wheel slot 19) 40–41 FG19 (wheel slot 20) 42–43 FG20 (wheel slot 21) 44–45 FG21 (wheel slot 22) 46–47 FG22 (wheel slot 23) 48–49 FG23 (wheel slot 24) 50–52 FG24 (wheel slot 25) 53–57 FG1 Shake (wheel slot 2) 58–62 FG2 Shake (wheel slot 3) 63–67 FG3 Shake (wheel slot 4) 68–72 FG4 Shake (wheel slot 5) 73–77 FG5 Shake (wheel slot 6) 78–82 FG6 Shake (wheel slot 7) 83–87 FG7 Shake (wheel slot 8) 88–92 FG8 Shake (wheel slot 9) 93–97 FG9 Shake (wheel slot 10) 98–102 FG10 Shake (wheel slot 11) 103–107 FG11 Shake (wheel slot 12) 108–112 FG12 Shake (wheel slot 13) 113–117 FG13 Shake (wheel slot 14) 118–122 FG14 Shake (wheel slot 15) 123–127 FG15 Shake (wheel slot 16) 128–132 FG16 Shake (wheel slot 17) 133–137 FG17 Shake (wheel slot 18) 138–142 FG18 Shake (wheel slot 19) 143–147 FG19 Shake (wheel slot 20) 148–152 FG20 Shake (wheel slot 21) 153–157 FG21 Shake (wheel slot 22) 158–162 FG22 Shake (wheel slot 23) 163–167 FG23 Shake (wheel slot 24) 168–172 FG24 Shake (wheel slot 25) 173–173 >>> 174–212 >> 213–213 > 214–214 < 215–254 << 255–255 <<<
23	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism1 (wheel slot 2)

Mode3-34Ch (continued)

Ch	Function	Default	DMX values
24	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 <<<
25	Prism Rotation Fine	0	Fine byte of Prism Rotation
26	Prism	0	0–254 Open (wheel slot 1) 255–255 Prism2 (wheel slot 3)
27	Prism Rotation	0	
28	Prism Rotation Fine	0	Fine byte of Prism Rotation
29	Frost1	0	0–254 Open 255–255 Frost
30	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
31	Position MSpeed	0	
32	Color Mix MSpeed	0	
33	Focus MSpeed	0	
34	Gobo Wheel1MSpeed	0	