Brighter

Smart Hybrid 480 Pro



Manufacturer	**Brighter**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**22, 26 channels**
Beam angle	**4-40°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**230 × 450 × 180 mm**
GDTF fixture type	**80140DD4-0512-4D17-85D9-00…**

Controls

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

Safety-relevant functions

Fixture reset

DMX modes

22Ch	22 ch
26Ch	26 ch

22Ch

22 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	Dimmer	0	
6	Shutter / Strobe	255	0–3 Closed 4–69 Strobe · Min 0–19.7 Hz 70–102 Strobe · Med 20–29.7 Hz 103–103 Strobe · Max 30 Hz 104–107 Open 108–139 Pulse Close · Min 0–19.8 Hz 140–154 Pulse Close · Med 20.4–29.4 Hz 155–155 Pulse Close · Max 30 Hz 156–169 Pulse Open · Min 0–7.65 Hz 170–206 Pulse Open · Med 8.24–29.4 Hz 207–207 Pulse Open · Max 30 Hz 208–212 Open 213–229 Rnd Strobe · Min 0–12.6 Hz 230–249 Rnd Strobe · Med 13.4–28.4 Hz 250–251 Rnd Strobe · Max 29.2–30 Hz 252–255 Open
7	Color Wheel	0	0–9 Open (wheel slot 1) 10–19 Red (wheel slot 2) 20–29 Green (wheel slot 3) 30–39 Blue (wheel slot 4) 40–49 Yellow (wheel slot 5) 50–59 Cyan (wheel slot 6) 60–69 Magenta (wheel slot 7) 70–79 Amber (wheel slot 8) 80–89 Open+Red (wheel slot 9) 90–99 Red+Green (wheel slot 10) 100–109 Green+Blue (wheel slot 11) 110–119 Blue+Yellow (wheel slot 12) 120–129 Yellow+Cyan (wheel slot 13) 130–139 Cyan+Magenta (wheel slot 14) 140–149 Magenta+Amber (wheel slot 15) 150–159 Amber+CTO (wheel slot 16) 160–203 CW S>F 204–204 Stop 205–255 CCW S>F
8	Cyan	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
9	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
10	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
11	C TO	0	0–5 Off 6–255 Cold to Warm

22Ch (continued)

Ch	Function	Default	DMX values
12	Gobo	0	0–5 Open (wheel slot 1) 6–11 Gobo 1 (wheel slot 2) 12–17 Gobo 2 (wheel slot 3) 18–23 Gobo 3 (wheel slot 4) 24–29 Gobo 4 (wheel slot 5) 30–35 Gobo 5 (wheel slot 6) 36–41 Gobo 6 (wheel slot 7) 42–47 Gobo 7 (wheel slot 8) 48–53 Gobo 8 (wheel slot 9) 54–59 Gobo 9 (wheel slot 10) 60–65 Gobo 10 (wheel slot 11) 66–71 Gobo 11 (wheel slot 12) 72–77 Open Shake (wheel slot 1) 78–83 Gobo 1 Shake (wheel slot 2) 84–89 Gobo 2 Shake (wheel slot 3) 90–95 Gobo 3 Shake (wheel slot 4) 96–101 Gobo 4 Shake (wheel slot 5) 102–107 Gobo 5 Shake (wheel slot 6) 108–113 Gobo 6 Shake (wheel slot 7) 114–119 Gobo 7 Shake (wheel slot 8) 120–125 Gobo 8 Shake (wheel slot 9) 126–131 Gobo 9 Shake (wheel slot 10) 132–137 Gobo 10 Shake (wheel slot 11) 138–195 CW F>S 196–196 Stop 197–255 CCW S>F
13	Gobo 2	0	0–6 Open (wheel slot 1) 7–13 Gobo 1 (wheel slot 2) 14–20 Gobo 2 (wheel slot 3) 21–27 Gobo 3 (wheel slot 4) 28–34 Gobo 4 (wheel slot 5) 35–41 Gobo 5 (wheel slot 6) 42–48 Gobo 6 (wheel slot 7) 49–55 Gobo 7 (wheel slot 8) 56–62 Gobo 8 (wheel slot 9) 63–69 Gobo 1 Shake (wheel slot 2) 70–76 Gobo 2 Shake (wheel slot 3) 77–83 Gobo 3 Shake (wheel slot 4) 84–90 Gobo 4 Shake (wheel slot 5) 91–97 Gobo 5 Shake (wheel slot 6) 98–104 Gobo 6 Shake (wheel slot 7) 105–111 Gobo 7 Shake (wheel slot 8) 112–118 Gobo 8 Shake (wheel slot 9) 119–185 CW F>S 186–189 Stop 190–255 CCW S>F
14	Gobo Rotation 2	0	0–127 Index 360 128–190 CW F>S 191–192 Stop 193–255 CCW S>F
15	Prism	0	0–127 Prism 1 Off (wheel slot 1) 128–255 Prism 1 On (wheel slot 2)
16	Prism Rotation	0	0–127 Index 360 128–187 CW F>S 188–195 Stop 196–255 CCW S>F
17	Prism	0	0–127 Prism 2 Off (wheel slot 1) 128–255 Prism 2 On (wheel slot 3)

22Ch (continued)

Ch	Function	Default	DMX values
18	Prism Rotation	0	0–127 Index 360 128–187 CW F>S 188–195 Stop 196–255 CCW S>F
19	Frost1	0	0–127 Off 128–255 On
20	Zoom	128	0–127 Wide 128–254 Med 255–255 Narrow
21	Focus	128	
22	Control1	0	0–209 No Function 210–215 Reset P/T 216–219 No Function 220–235 Gobo Rest 236–239 No Function 240–255 Reset All

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	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Dimmer	0	
7	Shutter / Strobe	255	0–3 Closed 4–69 Strobe · Min 0–19.7 Hz 70–102 Strobe · Med 20–29.7 Hz 103–103 Strobe · Max 30 Hz 104–107 Open 108–139 Pulse Close · Min 0–19.8 Hz 140–154 Pulse Close · Med 20.4–29.4 Hz 155–155 Pulse Close · Max 30 Hz 156–169 Pulse Open · Min 0–7.65 Hz 170–206 Pulse Open · Med 8.24–29.4 Hz 207–207 Pulse Open · Max 30 Hz 208–212 Open 213–229 Rnd Strobe · Min 0–12.6 Hz 230–249 Rnd Strobe · Med 13.4–28.4 Hz 250–251 Rnd Strobe · Max 29.2–30 Hz 252–255 Open

26Ch (continued)

Ch	Function	Default	DMX values
8	Color Wheel	0	0–9 Open (wheel slot 1) 10–19 Red (wheel slot 2) 20–29 Green (wheel slot 3) 30–39 Blue (wheel slot 4) 40–49 Yellow (wheel slot 5) 50–59 Cyan (wheel slot 6) 60–69 Magenta (wheel slot 7) 70–79 Amber (wheel slot 8) 80–89 Open+Red (wheel slot 9) 90–99 Red+Green (wheel slot 10) 100–109 Green+Blue (wheel slot 11) 110–119 Blue+Yellow (wheel slot 12) 120–129 Yellow+Cyan (wheel slot 13) 130–139 Cyan+Magenta (wheel slot 14) 140–149 Magenta+Amber (wheel slot 15) 150–159 Amber+CTO (wheel slot 16) 160–203 CW S>F 204–204 Stop 205–255 CCW S>F
9	Cyan	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
10	Magenta	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
11	Yellow	0	0–63 Min 64–127 25% 128–191 50% 192–254 75% 255–255 Max
12	C TO	0	0–5 Off 6–255 Cold to Warm

26Ch (continued)

Ch	Function	Default	DMX values
13	Gobo	0	0–5 Open (wheel slot 1) 6–11 Gobo 1 (wheel slot 2) 12–17 Gobo 2 (wheel slot 3) 18–23 Gobo 3 (wheel slot 4) 24–29 Gobo 4 (wheel slot 5) 30–35 Gobo 5 (wheel slot 6) 36–41 Gobo 6 (wheel slot 7) 42–47 Gobo 7 (wheel slot 8) 48–53 Gobo 8 (wheel slot 9) 54–59 Gobo 9 (wheel slot 10) 60–65 Gobo 10 (wheel slot 11) 66–71 Gobo 11 (wheel slot 12) 72–77 Open Shake (wheel slot 1) 78–83 Gobo 1 Shake (wheel slot 2) 84–89 Gobo 2 Shake (wheel slot 3) 90–95 Gobo 3 Shake (wheel slot 4) 96–101 Gobo 4 Shake (wheel slot 5) 102–107 Gobo 5 Shake (wheel slot 6) 108–113 Gobo 6 Shake (wheel slot 7) 114–119 Gobo 7 Shake (wheel slot 8) 120–125 Gobo 8 Shake (wheel slot 9) 126–131 Gobo 9 Shake (wheel slot 10) 132–137 Gobo 10 Shake (wheel slot 11) 138–195 CW F>S 196–196 Stop 197–255 CCW S>F
14	Gobo 2	0	0–6 Open (wheel slot 1) 7–13 Gobo 1 (wheel slot 2) 14–20 Gobo 2 (wheel slot 3) 21–27 Gobo 3 (wheel slot 4) 28–34 Gobo 4 (wheel slot 5) 35–41 Gobo 5 (wheel slot 6) 42–48 Gobo 6 (wheel slot 7) 49–55 Gobo 7 (wheel slot 8) 56–62 Gobo 8 (wheel slot 9) 63–69 Gobo 1 Shake (wheel slot 2) 70–76 Gobo 2 Shake (wheel slot 3) 77–83 Gobo 3 Shake (wheel slot 4) 84–90 Gobo 4 Shake (wheel slot 5) 91–97 Gobo 5 Shake (wheel slot 6) 98–104 Gobo 6 Shake (wheel slot 7) 105–111 Gobo 7 Shake (wheel slot 8) 112–118 Gobo 8 Shake (wheel slot 9) 119–185 CW F>S 186–189 Stop 190–255 CCW S>F
15	Gobo Rotation 2	0	0–127 Index 360 128–190 CW F>S 191–192 Stop 193–255 CCW S>F
16	Gobo Rotation 2 Fine	0	Fine byte of Gobo Rotation 2
17	Prism	0	0–127 Prism 1 Off (wheel slot 1) 128–255 Prism 1 On (wheel slot 2)
18	Prism Rotation	0	0–127 Index 360 128–187 CW F>S 188–195 Stop 196–255 CCW S>F
19	Prism	0	0–127 Prism 2 Off (wheel slot 1) 128–255 Prism 2 On (wheel slot 3)

26Ch (continued)

Ch	Function	Default	DMX values
20	Prism Rotation	0	0–127 Index 360 128–187 CW F>S 188–195 Stop 196–255 CCW S>F
21	Frost1	0	0–127 Off 128–255 On
22	Reserved 22	0	
23	Zoom	128	0–254 Wide 255–255 Narrow
24	Focus	128	
25	Focus Fine	128	Fine byte of Focus
26	Control1	0	0–209 No Function 210–215 Reset P/T 216–219 No Function 220–235 Gobo Rest 236–239 No Function 240–255 Reset All