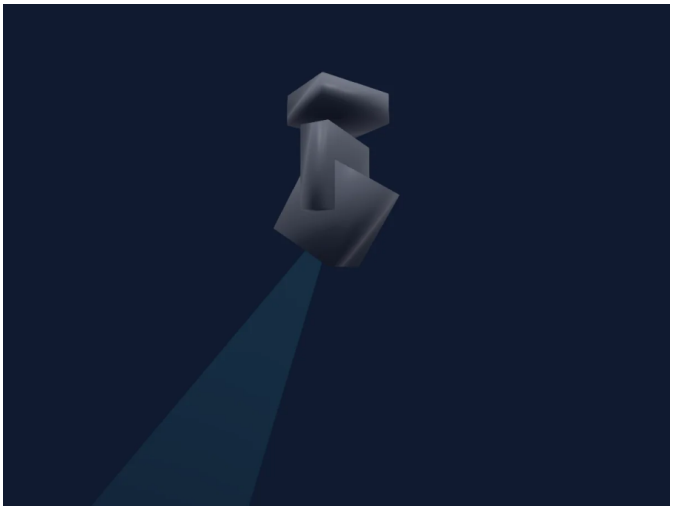
Brighter

X-DOT



Manufacturer	**Brighter**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**27, 28 channels**
Beam angle	**3.5-45°**
Pan range	**540°**
Tilt range	**210°**
Heads / cells	**2**
Size (W × H × D)	**220 × 269 × 220 mm**
GDTF fixture type	**2959D344-9B41-479C-AF6B-F2…**

Controls

Zoom · Extra LED colours · Colour temperature · Colour wheel · Strobe · Dimmer · Pixel control · Movement speed

Safety-relevant functions

Fixture reset · Strobe

DMX modes

51Ch	27 ch
28Ch	28 ch

51Ch

27 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	Zoom	0	0–126 Narrow 127–254 Mid 255–255 Wide
7	Zoom Fine	0	Fine byte of Zoom
8	Zoom Pos	0	0–31 0 deg 32–63 15 deg 64–95 30 deg 96–126 45 deg 127–127 60 deg 128–140 x5 Rot Zoom<< 141–152 x4 Rot Zoom<< 153–165 x3 Rot Zoom<< 166–177 x2 Rot Zoom<< 178–190 x1 Rot Zoom<< 191–192 Rot Zoom>< 193–205 x1 Rot Zoom>> 206–217 x2 Rot Zoom>> 218–230 x3 Rot Zoom>> 231–242 x4 Rot Zoom>> 243–255 x5 Rot Zoom>>
9	Control1	0	0–200 No Function 201–215 Zoom Reset 216–230 Position Reset 231–245 Reset 246–255 No Function
10	Dimmer	0	0–254 Closed 255–255 Open
11	Dimmer Fine	0	Fine byte of Dimmer
12	Shutter / Strobe	0	0–5 Open 6–9 Closed 10–55 Strobe S>F 56–105 Pulse S>F 106–155 Random S>F 156–205 Pulse Open S>F 206–255 Pulse Close S>F
13	Red	255	
14	Green	255	
15	Blue	255	

51Ch (continued)

Ch	Function	Default	DMX values
16	Shape Selection	6	0–5 Macro Off 6–20 Macro1 21–35 Macro2 36–50 Macro3 51–65 Macro4 66–80 Macro5 81–95 Macro6 96–110 Macro7 111–125 Macro8 126–140 Macro9 141–155 Macro10 156–170 Macro11 171–185 Macro12 186–200 Macro13 201–215 Macro14 216–230 Macro15 231–245 Macro16 246–255 Auto Run
17	Shape Speed	0	0–60 Index 61–127 CW F>S 128–255 CCW S>F
18	Dimmer	0	0–254 Closed 255–255 Open
19	Dimmer Fine	0	Fine byte of Dimmer
20	Shutter / Strobe	0	0–5 Open 6–9 Closed 10–55 Strobe S>F 56–105 Pulse S>F 106–155 Random S>F 156–205 Pulse Open S>F 206–255 Pulse Close S>F

51Ch (continued)

Ch	Function	Default	DMX values
21	Color Macro1	0	0–45 Macro Off (wheel slot 1) 46–50 Cyan (wheel slot 2) 51–55 Yellow (wheel slot 3) 56–60 Magenta (wheel slot 4) 61–65 Medium Yellow (wheel slot 5) 66–70 Straw Tint (wheel slot 6) 71–75 Surpise Peach (wheel slot 7) 76–80 Fire (wheel slot 8) 81–85 Medium Amber (wheel slot 9) 86–90 Gold Amber (wheel slot 10) 91–95 Dark Amber (wheel slot 11) 96–100 Sunrise Red (wheel slot 12) 101–105 Light Pink (wheel slot 13) 106–110 Medium Pink (wheel slot 14) 111–115 Pink Carnation (wheel slot 15) 116–120 Light Lavender (wheel slot 16) 121–125 Sky Blue (wheel slot 17) 126–130 Just Blue (wheel slot 18) 131–135 Dark Yellow Green (wheel slot 19) 136–140 Spring Yellow (wheel slot 20) 141–145 Light Amber (wheel slot 21) 146–150 Straw (wheel slot 22) 151–155 Deep Amber (wheel slot 23) 156–160 Orange (wheel slot 24) 161–165 Light Rose (wheel slot 25) 166–170 Middle Rose (wheel slot 26) 171–175 Dark Pink (wheel slot 27) 176–180 Magenta 2 (wheel slot 28) 181–185 Peacock Blue (wheel slot 29) 186–190 Steel Blue (wheel slot 30) 191–195 Light Blue (wheel slot 31) 196–200 Dark Blue (wheel slot 32) 201–205 Leaf Green (wheel slot 33) 206–210 Dark Green (wheel slot 34) 211–215 Mauve (wheel slot 35) 216–220 Deep Golden Amber (wheel slot 36) 221–225 Pale Lavender (wheel slot 37) 226–230 Primary Green (wheel slot 38) 231–235 Bright Blue (wheel slot 39) 236–240 Apricot (wheel slot 40) 241–245 Pale Gold (wheel slot 41) 246–250 Deep Orange (wheel slot 42) 251–255 Flame Red (wheel slot 43)
22	C TO	0	0–17 OFF 18–34 8000K 35–51 7500K 52–68 6500K 69–85 6000K 86–102 5600K 103–119 5000K 120–136 4500K 137–153 4000K 154–170 3500K 171–187 3200K 188–204 3000K 205–221 2700K 222–238 2500K 239–255 2000K

51Ch (continued)

Ch	Function	Default	DMX values
23	Tint	0	0–0 Off 1–127 Magenta Shift 128–128 Off 129–254 Green Shift 255–255 Off
24	Red	255	
25	Green	255	
26	Blue	255	
27	Color Add GY	255	

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	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Zoom	0	0–126 Narrow 127–254 Mid 255–255 Wide
7	Zoom Fine	0	Fine byte of Zoom
8	Zoom Pos	0	0–31 0 deg 32–63 15 deg 64–95 30 deg 96–126 45 deg 127–127 60 deg 128–140 x5 Rot Zoom<< 141–152 x4 Rot Zoom<< 153–165 x3 Rot Zoom<< 166–177 x2 Rot Zoom<< 178–190 x1 Rot Zoom<< 191–192 Rot Zoom>< 193–205 x1 Rot Zoom>> 206–217 x2 Rot Zoom>> 218–230 x3 Rot Zoom>> 231–242 x4 Rot Zoom>> 243–255 x5 Rot Zoom>>
9	Control1	0	0–200 No Function 201–215 Zoom Reset 216–230 Position Reset 231–245 Reset 246–255 No Function
10	Dimmer	0	0–254 Closed 255–255 Open
11	Dimmer Fine	0	Fine byte of Dimmer
12	Shutter / Strobe	0	0–5 Open 6–9 Closed 10–55 Strobe S>F 56–105 Pulse S>F 106–155 Random S>F 156–205 Pulse Open S>F 206–255 Pulse Close S>F

28Ch (continued)

Ch	Function	Default	DMX values
13	Shutter / Strobe	0	0–5 Open 6–9 Closed 10–55 Strobe S>F 56–105 Pulse S>F 106–155 Random S>F 156–205 Pulse Open S>F 206–255 Pulse Close S>F
14	Red	255	
15	Green	255	
16	Blue	255	
17	Color Add GY	255	
18	Dimmer	0	0–254 Closed 255–255 Open
19	Red	255	
20	Green	255	
21	Blue	255	
22	Shape Selection	6	0–5 Macro Off 6–20 Macro1 21–35 Macro2 36–50 Macro3 51–65 Macro4 66–80 Macro5 81–95 Macro6 96–110 Macro7 111–125 Macro8 126–140 Macro9 141–155 Macro10 156–170 Macro11 171–185 Macro12 186–200 Macro13 201–215 Macro14 216–230 Macro15 231–245 Macro16 246–255 Auto Run
23	Shape Speed	0	0–60 Index 61–127 CW F>S 128–255 CCW S>F
24	Shape Selection	6	0–5 Macro Off 6–20 Macro1 21–35 Macro2 36–50 Macro3 51–65 Macro4 66–80 Macro5 81–95 Macro6 96–110 Macro7 111–125 Macro8 126–140 Macro9 141–155 Macro10 156–170 Macro11 171–185 Macro12 186–200 Macro13 201–215 Macro14 216–230 Macro15 231–245 Macro16 246–255 Auto Run
25	Shape Speed	0	0–60 Index 61–127 CW F>S 128–255 CCW S>F

28Ch (continued)

Ch	Function	Default	DMX values
26	Color Macro1	0	0–45 Macro Off (wheel slot 1) 46–50 Cyan (wheel slot 2) 51–55 Yellow (wheel slot 3) 56–60 Magenta (wheel slot 4) 61–65 Medium Yellow (wheel slot 5) 66–70 Straw Tint (wheel slot 6) 71–75 Surpise Peach (wheel slot 7) 76–80 Fire (wheel slot 8) 81–85 Medium Amber (wheel slot 9) 86–90 Gold Amber (wheel slot 10) 91–95 Dark Amber (wheel slot 11) 96–100 Sunrise Red (wheel slot 12) 101–105 Light Pink (wheel slot 13) 106–110 Medium Pink (wheel slot 14) 111–115 Pink Carnation (wheel slot 15) 116–120 Light Lavender (wheel slot 16) 121–125 Sky Blue (wheel slot 17) 126–130 Just Blue (wheel slot 18) 131–135 Dark Yellow Green (wheel slot 19) 136–140 Spring Yellow (wheel slot 20) 141–145 Light Amber (wheel slot 21) 146–150 Straw (wheel slot 22) 151–155 Deep Amber (wheel slot 23) 156–160 Orange (wheel slot 24) 161–165 Light Rose (wheel slot 25) 166–170 Middle Rose (wheel slot 26) 171–175 Dark Pink (wheel slot 27) 176–180 Magenta 2 (wheel slot 28) 181–185 Peacock Blue (wheel slot 29) 186–190 Steel Blue (wheel slot 30) 191–195 Light Blue (wheel slot 31) 196–200 Dark Blue (wheel slot 32) 201–205 Leaf Green (wheel slot 33) 206–210 Dark Green (wheel slot 34) 211–215 Mauve (wheel slot 35) 216–220 Deep Golden Amber (wheel slot 36) 221–225 Pale Lavender (wheel slot 37) 226–230 Primary Green (wheel slot 38) 231–235 Bright Blue (wheel slot 39) 236–240 Apricot (wheel slot 40) 241–245 Pale Gold (wheel slot 41) 246–250 Deep Orange (wheel slot 42) 251–255 Flame Red (wheel slot 43)
27	C TO	0	0–17 OFF 18–34 8000K 35–51 7500K 52–68 6500K 69–85 6000K 86–102 5600K 103–119 5000K 120–136 4500K 137–153 4000K 154–170 3500K 171–187 3200K 188–204 3000K 205–221 2700K 222–238 2500K 239–255 2000K

28Ch (continued)

Ch	Function	Default	DMX values
28	Tint	128	0–0 Off 1–127 Magenta Shift 128–128 Off 129–254 Green Shift 255–255 Off