FOS Technologies

HYDOR BSW



Manufacturer	**FOS Technologies**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**20 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**CB09E4BA-5A02-4316-AA8D-84…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Basic 20Ch	20 ch

Basic 20Ch

20 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Dummy	0	
4	Shutter / Strobe	32	0–31 Closed 32–63 Open 64–127 Strobe Slow to Fast 128–158 Open 160–223 Random Strobe Slow to Fast 224–255 Open
5	Dimmer	0	0–254 Closed 255–255 Open
6	Cyan	0	
7	Magenta	0	
8	Yellow	0	
9	Color Macro1	0	0–15 CMY Color Macro Off 16–135 CMY Sync Color Slow to Fast 136–255 CMY Random Color Slow to Fast
10	C TO	0	
11	Color1Wheel Index	0	0–10 White (wheel slot 1) 11–23 Red (wheel slot 2) 24–36 Orange (wheel slot 3) 37–49 Yellow (wheel slot 4) 50–62 Green (wheel slot 5) 63–75 Pink (wheel slot 6) 76–88 Blue (wheel slot 7) 89–101 Violet (wheel slot 8) 102–114 Amber (wheel slot 9) 115–127 Cold White (wheel slot 10) 128–187 Rotate CW Slow to Fast 188–195 Stop 196–255 Rotate CCS Slow to Fast
12	Gobo	0	0–15 Open (wheel slot 1) 16–23 Gobo 1 (wheel slot 2) 24–31 Gobo 2 (wheel slot 3) 32–39 Gobo 3 (wheel slot 4) 40–47 Gobo 4 (wheel slot 5) 48–55 Gobo 5 (wheel slot 6) 56–63 Gobo 6 (wheel slot 7) 64–71 Gobo 7 (wheel slot 8) 72–79 Gobo 1 Shake (wheel slot 2) 80–87 Gobo 2 Shake (wheel slot 3) 88–95 Gobo 3 Shake (wheel slot 4) 96–103 Gobo 4 Shake (wheel slot 5) 104–111 Gobo 5 Shake (wheel slot 6) 112–119 Gobo 6 Shake (wheel slot 7) 120–127 Gobo 7 Shake (wheel slot 8) 128–187 Rotate CW Slow to Fast 188–195 Stop 196–255 Rotate CCW Slow to Fast

Basic 20Ch (continued)

Ch	Function	Default	DMX values
13	Gobo1Select Spin	0	0–15 Open (wheel slot 1) 16–23 Gobo 1 (wheel slot 2) 24–31 Gobo 2 (wheel slot 3) 32–39 Gobo 3 (wheel slot 4) 40–47 Gobo 4 (wheel slot 5) 48–55 Gobo 5 (wheel slot 6) 56–63 Gobo 6 (wheel slot 7) 64–71 Gobo 7 (wheel slot 8) 72–79 Gobo 1 Shake (wheel slot 2) 80–87 Gobo 2 Shake (wheel slot 3) 88–95 Gobo 3 Shake (wheel slot 4) 96–103 Gobo 4 Shake (wheel slot 5) 104–111 Gobo 5 Shake (wheel slot 6) 112–119 Gobo 6 Shake (wheel slot 7) 120–127 Gobo 7 Shake (wheel slot 8) 128–187 Rotate CW Slow to Fast 188–195 Stop 196–255 Rotate CCW Slow to Fast
14	Gobo Rotation	0	0–127 Gobo Rotating/Positioning 128–187 Rotate CW Slow to Fast 188–195 Stop 196–255 Rotate CCW Slow to Fast
15	Focus	0	
16	Zoom	0	0–126 Narrow 127–128 Normal 129–255 Wide
17	Prism	0	0–31 Off (wheel slot 1) 32–255 Prism On (wheel slot 2)
18	Prism Rotation	0	0–127 Prism Indexed (wheel slot 2) 128–187 Rotation CW Slow to Fast (wheel slot 2) 188–195 Stop (wheel slot 2) 196–255 Rotation CCW Slow to Fast (wheel slot 2)
19	Frost1	0	
20	Control1	0	0–29 No Function 30–39 Color Wheel Half Color Switch 40–49 Color Wheen Random Positioning 50–59 Reserved 60–69 Reset all Motors after 5 Seconds 70–79 Pan/Tilt Motor Reset after 5 Seconds 80–89 All Color Motors Reset after 5 Seconds 90–99 All Gobo Motors Reset after 5 Seconds 100–109 Other Motors Reset after 5 Seconds 110–119 Reserved 120–129 Built In Program 1 130–139 Built In Program 2 140–149 Built In Program 3 150–159 Built In Program 4 160–169 Built In Program 5 170–179 Built In Program 6 180–189 Built In Program 7 190–199 Built In Program 8 200–209 Built In Program 9 210–219 Built In Program 10 220–255 Reserved