JB Systems

Challenger BSW



Manufacturer	**JB Systems**
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	**90687785-CD55-49F8-8791-3C…**

Controls

Focus · Prism · Prism rotation · Colour wheel · Dimmer · Pan and tilt · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

MODE 1 — 20 ch

MODE 1

20 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	128	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	128	Fine byte of Tilt
5	Position MSpeed	0	
6	Macros	0	0–15 Disabled 16–63 SHOW 1 64–127 SHOW 2 128–191 SHOW 3 192–255 SHOW 4
7	M ACRO	0	0–7 DISABLED 8–255 P/T macros
8	P OSTITIONMACRORATE	0	
9	Color Wheel	0	0–15 open (wheel slot 1) 16–18 SPLIT COLOR (wheel slot 1) 19–21 red (wheel slot 2) 22–24 SPLIT COLOR (wheel slot 2) 25–27 orange (wheel slot 3) 28–30 SPLIT COLOR (wheel slot 3) 31–33 yellow (wheel slot 4) 34–36 SPLIT COLOR (wheel slot 4) 37–39 green (wheel slot 5) 40–42 SPLIT COLOR (wheel slot 5) 43–45 blue (wheel slot 6) 46–48 SPLIT COLOR (wheel slot 6) 49–51 magenta (wheel slot 7) 52–54 SPLIT COLOR (wheel slot 7) 55–57 cyan (wheel slot 8) 58–60 SPLIT COLOR (wheel slot 8) 61–63 pink (wheel slot 9) 64–126 Color1WheelIndex 2 127–255 Color1WheelSpin 3
10	Gobo	0	0–7 open gobo (wheel slot 1) 8–15 very narrow beam (wheel slot 2) 16–23 narrow beam (wheel slot 3) 24–31 medium beam (wheel slot 4) 32–39 large beam (wheel slot 5) 40–47 wide beam (wheel slot 6) 48–55 gobo 6 56–62 gobo 7 63–127 Gobo1WheelShake 2 128–190 CCW 191–192 STOP 193–255 CW
11	Gobo 2	0	0–8 open gobo (wheel slot 1) 9–17 windows (wheel slot 2) 18–26 obstructed circle (wheel slot 3) 27–35 mandala (wheel slot 4) 36–44 7 circles (wheel slot 5) 45–53 offset circles (wheel slot 6) 54–63 circle line (wheel slot 7) 64–127 Gobo2WheelShake 2 128–190 CCW 191–192 STOP 193–255 CW

MODE 1 (continued)

Ch	Function	Default	DMX values
12	Gobo Rotation	0	0–127 Gobo2WheelIndex 2 128–190 ccw 191–192 stop 193–255 cw
13	Gobo 3	0	0–63 beam (wheel slot 1) 64–64 medium spot (wheel slot 2) 65–127 spot (wheel slot 3) 128–255 wash (wheel slot 4)
14	Prism	0	0–9 no prism (wheel slot 1) 10–255 prism (wheel slot 2)
15	Prism Rotation	0	0–127 index 128–190 cw 191–192 stop 193–255 ccw
16	Focus	0	
17	Strobe Mode Strobe	0	0–7 closed shutter 8–15 open 16–131 strobe s->f 132–139 open 140–181 open/close s->f 182–189 open 190–231 close/open s->f 232–239 open 240–247 RND strobe 248–255 open
18	Dimmer	0	
19	Dimmer Fine	0	Fine byte of Dimmer
20	Control1	0	0–139 no function 140–199 pan/tilt reset 200–255 full reset