JB Systems

RIVAL SPOT



Manufacturer	**JB Systems**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**17, 20 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**250 × 358 × 180 mm**
GDTF fixture type	**43E9116E-245A-406B-B14B-2C…**

Controls

Focus · Prism rotation · Zoom · Colour wheel · Strobe · Dimmer · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Strobe · Built-in effect programmes

DMX modes

17Ch	17 ch
20Ch	20 ch

17Ch

17 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	0–254 Fastest 255–255 Slowest
4	Effect	0	0–15 No function 16–63 Floor 180 64–127 Ceiling hung 128–191 Stage floor 192–255 Stage hung
5	Position Effect	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–247 Macro 30 248–255 Macro 31
6	Position Effect Rate	0	
7	Color Wheel	0	0–10 Open (wheel slot 1) 11–15 Color 1 (wheel slot 2) 16–20 Color 2 (wheel slot 3) 21–25 Color 3 (wheel slot 4) 26–30 Color 4 (wheel slot 5) 31–35 Color 5 (wheel slot 6) 36–40 Color 6 (wheel slot 7) 41–45 Color 7 (wheel slot 8) 46–50 Color 8 (wheel slot 9) 51–55 Color 9 (wheel slot 10) 56–60 Color 10 (wheel slot 11) 61–127 Index 128–189 Spin CCW 190–193 Stop 194–255 Spin CW

17Ch (continued)

Ch	Function	Default	DMX values
8	Gobo	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–50 Gobo 8 (wheel slot 9) 51–60 Shake Gobo 1 (wheel slot 2) 61–70 Shake Gobo 2 (wheel slot 3) 71–80 Shake Gobo 3 (wheel slot 4) 81–90 Shake Gobo 4 (wheel slot 5) 91–100 Shake Gobo 5 (wheel slot 6) 101–110 Shake Gobo 6 (wheel slot 7) 111–120 Shake Gobo 7 (wheel slot 8) 121–127 Shake Gobo 8 (wheel slot 9) 128–190 Spin CCW 191–192 Stop 193–255 Spin CW
9	Gobo 2	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–50 Gobo 8 (wheel slot 9) 51–60 Shake Gobo 1 (wheel slot 2) 61–70 Shake Gobo 2 (wheel slot 3) 71–80 Shake Gobo 3 (wheel slot 4) 81–90 Shake Gobo 4 (wheel slot 5) 91–100 Shake Gobo 5 (wheel slot 6) 101–110 Shake Gobo 6 (wheel slot 7) 111–120 Shake Gobo 7 (wheel slot 8) 121–127 Shake Gobo 8 (wheel slot 9) 128–190 Spin CCW 191–192 Stop 193–255 Spin CW
10	Gobo Rotation 2	0	0–127 Index 128–190 Rotate CCW 191–192 Stop 193–255 Rotate CW
11	Zoom	127	0–254 Narrow 255–255 Wide
12	Beam Shaper	0	0–64 No Function (wheel slot 1) 65–127 Prism (wheel slot 2) 128–255 Frost (wheel slot 3)
13	Prism Rotation	0	0–127 Index 128–190 Rotate CCW 191–192 Stop 193–255 Rotate CW
14	Focus	127	

17Ch (continued)

Ch	Function	Default	DMX values
15	Shutter / Strobe	11	0–7 Closed 8–15 Open 16–131 Strobe 132–139 NoFeature 1 140–181 Pulse Close 182–189 NoFeature 2 190–231 Pulse Open 232–239 NoFeature 3 240–247 Random strobe 248–255 NoFeature 4
16	Dimmer	0	0–254 Closed 255–255 Open
17	Control1	0	0–69 No Function 70–79 P/T Enable 80–89 P/T Disable 90–99 Color Enable 100–109 Color Disable 110–119 Gobo Enable 120–139 Gobo Disable 140–149 P/T reset 150–199 Effects reset 200–209 Reset all 210–219 Global blackout enable 220–255 Global blackout disable

20Ch

20 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	0–254 Fastest 255–255 Slowest
6	Effect	0	0–15 No function 16–63 Floor 180 64–127 Ceiling hung 128–191 Stage floor 192–255 Stage hung

20Ch (continued)

Ch	Function	Default	DMX values
7	Position Effect	0	0–7 No function 8–15 Macro 1 16–23 Macro 2 24–31 Macro 3 32–39 Macro 4 40–47 Macro 5 48–55 Macro 6 56–63 Macro 7 64–71 Macro 8 72–79 Macro 9 80–87 Macro 10 88–95 Macro 11 96–103 Macro 12 104–111 Macro 13 112–119 Macro 14 120–127 Macro 15 128–135 Macro 16 136–143 Macro 17 144–151 Macro 18 152–159 Macro 19 160–167 Macro 20 168–175 Macro 21 176–183 Macro 22 184–191 Macro 23 192–199 Macro 24 200–207 Macro 25 208–215 Macro 26 216–223 Macro 27 224–231 Macro 28 232–239 Macro 29 240–247 Macro 30 248–255 Macro 31
8	Position Effect Rate	0	
9	Color Wheel	0	0–10 Open (wheel slot 1) 11–15 Color 1 (wheel slot 2) 16–20 Color 2 (wheel slot 3) 21–25 Color 3 (wheel slot 4) 26–30 Color 4 (wheel slot 5) 31–35 Color 5 (wheel slot 6) 36–40 Color 6 (wheel slot 7) 41–45 Color 7 (wheel slot 8) 46–50 Color 8 (wheel slot 9) 51–55 Color 9 (wheel slot 10) 56–60 Color 10 (wheel slot 11) 61–127 Index 128–189 Spin CCW 190–193 Stop 194–255 Spin CW

20Ch (continued)

Ch	Function	Default	DMX values
10	Gobo	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–50 Gobo 8 (wheel slot 9) 51–60 Shake Gobo 1 (wheel slot 2) 61–70 Shake Gobo 2 (wheel slot 3) 71–80 Shake Gobo 3 (wheel slot 4) 81–90 Shake Gobo 4 (wheel slot 5) 91–100 Shake Gobo 5 (wheel slot 6) 101–110 Shake Gobo 6 (wheel slot 7) 111–120 Shake Gobo 7 (wheel slot 8) 121–127 Shake Gobo 8 (wheel slot 9) 128–190 Spin CCW 191–192 Stop 193–255 Spin CW
11	Gobo 2	0	0–10 Open (wheel slot 1) 11–15 Gobo 1 (wheel slot 2) 16–20 Gobo 2 (wheel slot 3) 21–25 Gobo 3 (wheel slot 4) 26–30 Gobo 4 (wheel slot 5) 31–35 Gobo 5 (wheel slot 6) 36–40 Gobo 6 (wheel slot 7) 41–45 Gobo 7 (wheel slot 8) 46–50 Gobo 8 (wheel slot 9) 51–60 Shake Gobo 1 (wheel slot 2) 61–70 Shake Gobo 2 (wheel slot 3) 71–80 Shake Gobo 3 (wheel slot 4) 81–90 Shake Gobo 4 (wheel slot 5) 91–100 Shake Gobo 5 (wheel slot 6) 101–110 Shake Gobo 6 (wheel slot 7) 111–120 Shake Gobo 7 (wheel slot 8) 121–127 Shake Gobo 8 (wheel slot 9) 128–190 Spin CCW 191–192 Stop 193–255 Spin CW
12	Gobo Rotation 2	0	0–127 Index 128–190 Rotate CCW 191–192 Stop 193–255 Rotate CW
13	Zoom	127	0–254 Narrow 255–255 Wide
14	Beam Shaper	0	0–64 No Function (wheel slot 1) 65–127 Prism (wheel slot 2) 128–255 Frost (wheel slot 3)
15	Prism Rotation	0	0–127 Index 128–190 Rotate CCW 191–192 Stop 193–255 Rotate CW
16	Focus	127	

20Ch (continued)

Ch	Function	Default	DMX values
17	Shutter / Strobe	11	0–7 Closed 8–15 Open 16–131 Strobe 132–139 NoFeature 1 140–181 Pulse Close 182–189 NoFeature 2 190–231 Pulse Open 232–239 NoFeature 3 240–247 Random strobe 248–255 NoFeature 4
18	Dimmer	0	0–254 Closed 255–255 Open
19	Dimmer Fine	0	Fine byte of Dimmer
20	Control1	0	0–69 No Function 70–79 P/T Enable 80–89 P/T Disable 90–99 Color Enable 100–109 Color Disable 110–119 Gobo Enable 120–139 Gobo Disable 140–149 P/T reset 150–199 Effects reset 200–209 Reset all 210–219 Global blackout enable 220–255 Global blackout disable