Free Color

B300



Manufacturer	**Free Color**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**16, 19 channels**
Beam angle	**5-45°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**9B920D89-F919-4464-B836-74…**

Controls

Focus · Frost · Prism · Prism rotation · Zoom · Colour wheel · Strobe · Dimmer · Pan and tilt · Movement speed · Gobos

Safety-relevant functions

Fixture reset · Strobe

DMX modes

16 ch — 16 ch
19 ch — 19 ch

16 ch

16 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Tilt	0	
3	Shutter / Strobe	0	0–7 Open 8–250 Strobe Speed 251–255 Open
4	Dimmer	0	
5	Color Wheel	0	0–0 Open (wheel slot 1) 1–31 Red (wheel slot 2) 32–47 Green (wheel slot 3) 48–63 Yellow (wheel slot 4) 64–79 Blue (wheel slot 5) 80–95 Magenta (wheel slot 6) 96–111 Orange (wheel slot 7) 112–127 Cyan (wheel slot 8) 128–191 Color CW 192–255 Color CCW
6	Gobo	0	0–6 Open (wheel slot 1) 7–13 Wheel Slot 2 (wheel slot 2) 14–20 Wheel Slot 3 (wheel slot 3) 21–27 Wheel Slot 4 (wheel slot 4) 28–34 Wheel Slot 5 (wheel slot 5) 35–41 Wheel Slot 6 (wheel slot 6) 42–48 Wheel Slot 7 (wheel slot 7) 49–55 Wheel Slot 8 (wheel slot 8) 56–70 Wheel Slot 9 (wheel slot 9) 71–77 Wheel Slot 8 (wheel slot 8) 78–84 Wheel Slot 7 (wheel slot 7) 85–91 Wheel Slot 6 (wheel slot 6) 92–98 Wheel Slot 5 (wheel slot 5) 99–105 Wheel Slot 4 (wheel slot 4) 106–112 Wheel Slot 3 (wheel slot 3) 113–119 Wheel Slot 2 (wheel slot 2) 120–127 Open (wheel slot 1) 128–191 Gobo 1 CW 192–255 Gobo 1 CCW
7	Gobo 2	0	0–15 Open (wheel slot 1) 16–31 Wheel Slot 2 (wheel slot 2) 32–47 Wheel Slot 3 (wheel slot 3) 48–63 Wheel Slot 4 (wheel slot 4) 64–79 Wheel Slot 5 (wheel slot 5) 80–95 Wheel Slot 6 (wheel slot 6) 96–111 Wheel Slot 7 (wheel slot 7) 112–127 Wheel Slot 8 (wheel slot 8) 128–191 Gobo 2 CW 192–255 Gobo 2 CCW
8	No Feature	0	0–14 Gobo 2 Rotate 15–255 Gobo2 Pos 2
9	Focus	0	
10	Zoom	0	
11	Prism	0	0–63 Open (wheel slot 1) 64–255 Wheel Slot 2 (wheel slot 2)
12	Prism Rotation	0	
13	Frost1	0	
14	Color Macro1	0	
15	Color Macro1Rate	0	
16	Fixture Global Reset	0	

19 ch

19 channels

Ch	Function	Default	DMX values
1	Pan	0	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	0	
4	Tilt Fine	0	Fine byte of Tilt
5	Position MSpeed	0	
6	Shutter / Strobe	0	0–7 Open 8–250 Strobe Speed 251–255 Open
7	Dimmer	0	
8	Color Wheel	0	0–0 Open (wheel slot 1) 1–31 Red (wheel slot 2) 32–47 Green (wheel slot 3) 48–63 Yellow (wheel slot 4) 64–79 Blue (wheel slot 5) 80–95 Magenta (wheel slot 6) 96–111 Orange (wheel slot 7) 112–127 Cyan (wheel slot 8) 128–191 Color CW 192–255 Color CCW
9	Gobo	0	0–6 Open (wheel slot 1) 7–13 Wheel Slot 2 (wheel slot 2) 14–20 Wheel Slot 3 (wheel slot 3) 21–27 Wheel Slot 4 (wheel slot 4) 28–34 Wheel Slot 5 (wheel slot 5) 35–41 Wheel Slot 6 (wheel slot 6) 42–48 Wheel Slot 7 (wheel slot 7) 49–55 Wheel Slot 8 (wheel slot 8) 56–70 Wheel Slot 9 (wheel slot 9) 71–77 Wheel Slot 8 (wheel slot 8) 78–84 Wheel Slot 7 (wheel slot 7) 85–91 Wheel Slot 6 (wheel slot 6) 92–98 Wheel Slot 5 (wheel slot 5) 99–105 Wheel Slot 4 (wheel slot 4) 106–112 Wheel Slot 3 (wheel slot 3) 113–119 Wheel Slot 2 (wheel slot 2) 120–127 Open (wheel slot 1) 128–191 Gobo 1 CW 192–255 Gobo 1 CCW
10	Gobo 2	0	0–15 Open (wheel slot 1) 16–31 Wheel Slot 2 (wheel slot 2) 32–47 Wheel Slot 3 (wheel slot 3) 48–63 Wheel Slot 4 (wheel slot 4) 64–79 Wheel Slot 5 (wheel slot 5) 80–95 Wheel Slot 6 (wheel slot 6) 96–111 Wheel Slot 7 (wheel slot 7) 112–127 Wheel Slot 8 (wheel slot 8) 128–191 Gobo 2 CW 192–255 Gobo 2 CCW
11	No Feature	0	0–14 Gobo 2 Rotate 15–255 Gobo2 Pos 2
12	Focus	0	
13	Zoom	0	
14	Prism	0	0–63 Open (wheel slot 1) 64–255 Wheel Slot 2 (wheel slot 2)
15	Prism Rotation	0	
16	Frost1	0	

19 ch (continued)

Ch	Function	Default	DMX values
17	Color Macro1	0	
18	Color Macro1Rate	0	
19	Fixture Global Reset	0	