JB Lighting

Varyscan P2 250 HTI



Manufacturer	**JB Lighting**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**22 channels**
Beam angle	**16°**
Pan range	**430°**
Tilt range	**270°**
Size (W × H × D)	**300 × 300 × 200 mm**
GDTF fixture type	**5D48FDEC-57E7-5D8E-84D9-0C…**

Controls

Focus · Prism rotation · Dimmer · Pan and tilt · Gobo rotation

Safety-relevant functions

Lamp on and off · Fixture reset

DMX modes

HOG22CH provisional	22 ch
JB22CH provisional	22 ch

HOG22CH provisional

22 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	Control	0	0–231 Safe 232–239 Lamp off after3seconds 240–247 Reset after1second 248–255 Lamp on
6	Shutter / Strobe	0	0–15 Shutter closed 16–111 Shutter open 112–125 Periodic strobe slow to fast 126–126 Shutter open 127–127 Shutter closed 128–142 Periodic pulse opening fast to slow 143–143 Shutter open 144–158 Periodic pulse closing fast to slow 159–159 Shutter closed 160–174 Shutter9 strobe · Shutter fade0percent transition s... 175–175 Shutter open 176–190 Shutter11 strobe · Shutter fade100percent transiti... 191–191 Shutter closed 192–206 Shutter random100percent fast0.6sec to slow4.8sec 207–207 Shutter open 208–222 Shutter random0percent fast0.6sec to slow4.8sec 223–223 Shutter closed 224–238 Random fade0percent fast0.6sec to slow4.8sec 239–239 Shutter open 240–254 Random fade100percent fast0.6sec to slow4.8sec 255–255 Shutter open
7	Dimmer	0	
8	No Feature	0	
9	Focus	0	
10	No Feature	0	
11	No Feature	0	
12	Gobo	0	0–15 Gobo wheel open (wheel slot 1) 16–31 Gobo1 32–47 Gobo2 48–63 Gobo3 64–79 Gobo4 80–127 Gobo5 128–135 Gobo0 shake fast to slow 136–143 Gobo1 shake fast to slow 144–151 Gobo2 shake fast to slow 152–159 Gobo3 shake fast to slow 160–175 Gobo4 shake fast to slow 176–191 Gobo5 shake fast to slow 192–255 Safe (heldpattern unpublished)
13	Gobo Rotation	0	0–191 Gobo positioning (angular mapping unpublished) 192–222 Rotation anticlockwise fast to slow 223–224 Rotation stop 225–255 Rotation clockwise slow to fast

HOG22CH provisional (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–3 white (wheel slot 1) 4–7 white/red 8–11 red (wheel slot 3) 12–15 red/yellow 16–19 yellow (wheel slot 5) 20–23 yellow/magenta 24–27 magenta (wheel slot 7) 28–31 magenta/green 32–35 green (wheel slot 9) 36–39 green/orange 40–43 orange (wheel slot 11) 44–47 orange/blue 48–51 blue (wheel slot 13) 52–55 blue/cyan 56–59 cyan (wheel slot 15) 60–63 cyan/white 64–191 Colour positioning (uncalibrated) 192–222 Colour wheel clockwise fast to slow 223–224 Colour wheel rotation stop 225–255 Colour wheel anticlockwise slow to fast
15	Color Wheel 2	0	0–15 Open (wheel slot 1) 16–31 CTB daylight filter (wheel slot 2) 32–47 CTO artificial light filter (wheel slot 3) 48–63 Pink (wheel slot 4) 64–79 Cyan (wheel slot 5) 80–127 Frost (wheel slot 6) 128–255 Colour macros in combination with primary colour…
16	No Feature	0	
17	Prism	0	0–15 No prism 16–255 Prism active; secondarycolourwheel inactive
18	Prism Rotation	0	0–191 Prism positioning (angular mapping unpublished) 192–222 Rotation clockwise fast to slow 223–224 Rotation stop 225–255 Rotation anticlockwise slow to fast
19	No Feature	0	
20	Pan Tilt Speed	0	0–3 Tracking realtime 4–255 Delayed fast to slow
21	Control	0	0–3 Effects realtime 4–255 Effects delayed slow to fast
22	Control	0	0–95 No function 96–127 Blackout at pan tilt 128–159 Blackout at gobo colour prism 160–191 Blackout at gobo colour prism focus 192–223 Blackout at gobo colour prism pan tilt 224–255 Blackout at gobo colour prism focus pan tilt

JB22CH provisional

22 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Pan Fine	0	Fine byte of Pan
4	Tilt Fine	0	Fine byte of Tilt
5	Control	0	0–231 Safe 232–239 Lamp off after3seconds 240–247 Reset after1second 248–255 Lamp on

JB22CH provisional (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	0	0–15 Shutter closed 16–111 Shutter open 112–125 Periodic strobe slow to fast 126–126 Shutter open 127–127 Shutter closed 128–142 Periodic pulse opening fast to slow 143–143 Shutter open 144–158 Periodic pulse closing fast to slow 159–159 Shutter closed 160–174 Shutter9 strobe · Shutter fade0percent transition s… 175–175 Shutter open 176–190 Shutter11 strobe · Shutter fade100percent transiti… 191–191 Shutter closed 192–206 Shutter random100percent fast0.6sec to slow4.8sec 207–207 Shutter open 208–222 Shutter random0percent fast0.6sec to slow4.8sec 223–223 Shutter closed 224–238 Random fade0percent fast0.6sec to slow4.8sec 239–239 Shutter open 240–254 Random fade100percent fast0.6sec to slow4.8sec 255–255 Shutter open
7	Dimmer	0	
8	No Feature	0	
9	Focus	0	
10	No Feature	0	
11	No Feature	0	
12	Gobo	0	0–15 Gobo wheel open (wheel slot 1) 16–31 Gobo1 32–47 Gobo2 48–63 Gobo3 64–79 Gobo4 80–127 Gobo5 128–135 Gobo0 shake fast to slow 136–143 Gobo1 shake fast to slow 144–151 Gobo2 shake fast to slow 152–159 Gobo3 shake fast to slow 160–175 Gobo4 shake fast to slow 176–191 Gobo5 shake fast to slow 192–255 Safe (heldpattern unpublished)
13	Gobo Rotation	0	0–191 Gobo positioning (angular mapping unpublished) 192–222 Rotation anticlockwise fast to slow 223–224 Rotation stop 225–255 Rotation clockwise slow to fast

JB22CH provisional (continued)

Ch	Function	Default	DMX values
14	Color Wheel	0	0–3 white (wheel slot 1) 4–7 white/red 8–11 red (wheel slot 3) 12–15 red/yellow 16–19 yellow (wheel slot 5) 20–23 yellow/magenta 24–27 magenta (wheel slot 7) 28–31 magenta/green 32–35 green (wheel slot 9) 36–39 green/orange 40–43 orange (wheel slot 11) 44–47 orange/blue 48–51 blue (wheel slot 13) 52–55 blue/cyan 56–59 cyan (wheel slot 15) 60–63 cyan/white 64–191 Colour positioning (uncalibrated) 192–222 Colour wheel clockwise fast to slow 223–224 Colour wheel rotation stop 225–255 Colour wheel anticlockwise slow to fast
15	Color Wheel 2	0	0–15 Open (wheel slot 1) 16–31 CTB daylight filter (wheel slot 2) 32–47 CTO artificial light filter (wheel slot 3) 48–63 Pink (wheel slot 4) 64–79 Cyan (wheel slot 5) 80–127 Frost (wheel slot 6) 128–255 Colour macros in combination with primary colour…
16	No Feature	0	
17	Prism	0	0–15 No prism 16–255 Prism active; secondarycolourwheel inactive
18	Prism Rotation	0	0–191 Prism positioning (angular mapping unpublished) 192–222 Rotation clockwise fast to slow 223–224 Rotation stop 225–255 Rotation anticlockwise slow to fast
19	No Feature	0	
20	Pan Tilt Speed	0	0–3 Tracking realtime 4–255 Delayed fast to slow
21	Control	0	0–3 Effects realtime 4–255 Effects delayed slow to fast
22	Control	0	0–95 No function 96–127 Blackout at pan tilt 128–159 Blackout at gobo colour prism 160–191 Blackout at gobo colour prism focus 192–223 Blackout at gobo colour prism pan tilt 224–255 Blackout at gobo colour prism focus pan tilt

Fixture model: gdtf-jb-lighting-varyscan-p2-250-hti-2611036002
Original HitLight parametric reconstruction. Manufacturer drawings and photographs used as dimensional and visual references; no third-part…
Creator: HitLight