PRISMA

BSW420pro



Manufacturer	**PRISMA**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**25, 36 channels**
Beam angle	**3-48°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**EECBB844-1AEC-42AE-9381-DF…**

Controls

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

Safety-relevant functions

Fixture reset · Service functions · Strobe

DMX modes

25channels	25 ch
36channels	36 ch

25channels

25 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	
6	Shutter / Strobe	20	0–10 closed 11–21 open 22–126 strobe 127–137 open 138–201 pulse 202–212 open 213–244 random 245–255 open
7	Dimmer	0	
8	Zoom	128	0–127 mini 128–254 mid 255–255 wide
9	Focus	128	
10	Focus Mode	0	
11	Focus Mode Fine	0	Fine byte of Focus Mode
12	Color Wheel	0	0–25 open (wheel slot 1) 26–37 color1 (wheel slot 2) 38–49 color2 (wheel slot 3) 50–61 color3 (wheel slot 9) 62–73 color4 (wheel slot 4) 74–85 color5 (wheel slot 5) 86–97 color6 (wheel slot 6) 98–109 color7 (wheel slot 7) 110–121 color8 (wheel slot 8) 122–127 open (wheel slot 1) 128–189 fast to slow 190–193 no rot 194–255 slow to fast
13	Cyan	0	
14	Magenta	0	
15	Yellow	0	
16	C TO	0	
17	Gobo	0	0–7 open (wheel slot 1) 8–20 G1 (wheel slot 2) 21–33 G2 (wheel slot 3) 34–46 G3 (wheel slot 4) 47–59 G4 (wheel slot 5) 60–72 G5 (wheel slot 6) 73–85 G6 (wheel slot 7) 86–98 G7 (wheel slot 8) 99–111 G1 shake (wheel slot 2) 112–124 G2 shake (wheel slot 3) 125–137 G3 shake (wheel slot 4) 138–150 G4 shake (wheel slot 5) 151–163 G5 shake (wheel slot 6) 164–176 G6 shake (wheel slot 7) 177–189 G7 shake (wheel slot 8) 190–221 fast to slow 222–223 no rotation 224–255 slow to fast

25channels (continued)

Ch	Function	Default	DMX values
18	Gobo Rotation	0	0–126 min 127–127 max 128–189 fast to slow 190–193 no rotation 194–255 slow to fast
19	Gobo 2	0	0–9 OPEN (wheel slot 1) 10–17 G1 (wheel slot 2) 18–25 G2 (wheel slot 3) 26–33 G3 (wheel slot 4) 34–41 G4 (wheel slot 5) 42–49 G5 (wheel slot 6) 50–57 G6 (wheel slot 7) 58–65 G7 (wheel slot 8) 66–73 G8 (wheel slot 9) 74–81 G9 (wheel slot 10) 82–89 G10 (wheel slot 11) 90–99 G1 shake (wheel slot 2) 100–109 G2 shake (wheel slot 3) 110–119 G3 shake (wheel slot 4) 120–129 G4 shake (wheel slot 5) 130–139 G5 shake (wheel slot 6) 140–149 G6 shake (wheel slot 7) 150–159 G7 shake (wheel slot 8) 160–169 G8 shake (wheel slot 9) 170–179 G9 shake (wheel slot 10) 180–189 G10 shake (wheel slot 11) 190–221 fast to slow 222–223 NO rotation 224–255 slow to fast
20	Prism	0	0–127 open (wheel slot 1) 128–255 5prism (wheel slot 2)
21	Prism Rotation	0	0–127 index (wheel slot 1) 128–189 fast to slow (wheel slot 2) 190–193 no rot (wheel slot 2) 194–255 slow to fast (wheel slot 2)
22	Prism	0	0–127 open (wheel slot 1) 128–255 T Prism (wheel slot 2)
23	Prism Rotation	0	0–127 index (wheel slot 2) 128–189 fast to slow (wheel slot 2) 190–193 no rot (wheel slot 2) 194–255 slow to fast (wheel slot 2)
24	Frost1	0	0–127 open 128–255 frost
25	Fixture Global Reset	0	0–149 safe 150–199 all reset 200–255 unused

36channels

36 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	

36channels (continued)

Ch	Function	Default	DMX values
6	Shutter / Strobe	20	0–10 closed 11–21 open 22–126 strobe 127–137 open 138–201 pulse 202–212 open 213–244 random 245–255 open
7	Dimmer	0	
8	Dimmer Fine	0	Fine byte of Dimmer
9	Zoom	128	0–127 mini 128–254 mid 255–255 wide
10	Zoom Fine	128	Fine byte of Zoom
11	Focus	128	
12	Focus Fine	128	Fine byte of Focus
13	Focus Mode	0	
14	Focus Mode Fine	0	Fine byte of Focus Mode
15	Color Wheel	0	0–25 open (wheel slot 1) 26–37 color1 (wheel slot 2) 38–49 color2 (wheel slot 3) 50–61 color3 (wheel slot 9) 62–73 color4 (wheel slot 4) 74–85 color5 (wheel slot 5) 86–97 color6 (wheel slot 6) 98–109 color7 (wheel slot 7) 110–121 color8 (wheel slot 8) 122–127 open (wheel slot 1) 128–189 >>> (wheel slot 10) 190–193 = (wheel slot 10) 194–255 <<< (wheel slot 10)
16	Color Wheel Fine	0	Fine byte of Color Wheel
17	Cyan	0	
18	Cyan Fine	0	Fine byte of Cyan
19	Magenta	0	
20	Magenta Fine	0	Fine byte of Magenta
21	Yellow	0	
22	Yellow Fine	0	Fine byte of Yellow
23	C TO	0	
24	C TO Fine	0	Fine byte of C TO

36channels (continued)

Ch	Function	Default	DMX values
25	Gobo	0	0–7 open (wheel slot 1) 8–20 G1 (wheel slot 2) 21–33 G2 (wheel slot 3) 34–46 G3 (wheel slot 4) 47–59 G4 (wheel slot 5) 60–72 G5 (wheel slot 6) 73–85 G6 (wheel slot 7) 86–98 G7 (wheel slot 8) 99–111 G1 shake (wheel slot 2) 112–124 G2 shake (wheel slot 3) 125–137 G3 shake (wheel slot 4) 138–150 G4 shake (wheel slot 5) 151–163 G5 shake (wheel slot 6) 164–176 G6 shake (wheel slot 7) 177–189 G7 shake (wheel slot 8) 190–221 fast to slow 222–223 no rotation 224–255 slow to fast
26	Gobo Rotation	0	0–126 min 127–127 max 128–189 fast to slow 190–193 no rotation 194–255 slow to fast
27	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
28	Gobo 2	0	0–9 OPEN (wheel slot 1) 10–17 G1 (wheel slot 2) 18–25 G2 (wheel slot 3) 26–33 G3 (wheel slot 4) 34–41 G4 (wheel slot 5) 42–49 G5 (wheel slot 6) 50–57 G6 (wheel slot 7) 58–65 G7 (wheel slot 8) 66–73 G8 (wheel slot 9) 74–81 G9 (wheel slot 10) 82–89 G10 (wheel slot 11) 90–99 G1 shake (wheel slot 2) 100–109 G2 shake (wheel slot 3) 110–119 G3 shake (wheel slot 4) 120–129 G4 shake (wheel slot 5) 130–139 G5 shake (wheel slot 6) 140–149 G6 shake (wheel slot 7) 150–159 G7 shake (wheel slot 8) 160–169 G8 shake (wheel slot 9) 170–179 G9 shake (wheel slot 10) 180–189 G10 shake (wheel slot 11) 190–221 fast to slow 222–223 NO rotation 224–255 slow to fast
29	Prism	0	0–127 open (wheel slot 1) 128–255 5prism (wheel slot 2)
30	Prism Rotation	0	0–127 index (wheel slot 1) 128–189 >>> (wheel slot 2) 190–193 = (wheel slot 2) 194–255 <<< (wheel slot 2)
31	Prism Rotation Fine	0	Fine byte of Prism Rotation
32	Prism	0	0–127 open (wheel slot 1) 128–255 T Prism (wheel slot 2)

36channels (continued)

Ch	Function	Default	DMX values
33	Prism Rotation	0	0–127 index (wheel slot 2) 128–189 fast to slow (wheel slot 2) 190–193 no rot (wheel slot 2) 194–255 slow to fast (wheel slot 2)
34	Prism Rotation Fine	0	Fine byte of Prism Rotation
35	Frost1	0	0–127 open 128–255 frost
36	Fixture Global Reset	0	0–9 unused 10–19 display off 20–29 display on 30–36 display invert OFF 37–149 display invert ON 150–199 all reset 200–255 unused