High End Systems

Zeo



Manufacturer	**High End Systems**
Type	**Moving head**
DMX modes	**3**
DMX footprint	**15, 24, 51 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**4**
Size (W × H × D)	**320 × 332 × 378 mm**
GDTF fixture type	**23BCE11C-62B2-48A6-983F-6C…**

Controls

Fan · Zoom · Extra LED colours · RGB colour mixing · Colour temperature · Colour wheel · Dimmer · Pixel control · Movement speed

Safety-relevant functions

Haze or smoke output · Fixture reset · Service functions

DMX modes

Wash	15 ch
Reduced	24 ch
Standard	51 ch

Wash

15 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	Red	255	
6	Green	255	
7	Blue	255	
8	White	255	
9	C TO	255	
10	Zoom	0	
11	Strobe Mode Strobe	0	0–31 Normal 32–63 Random 64–255 Synchronous Random
12	Shutter1Strobe	255	0–23 Close 24–229 Strobe Rate 230–255 Open
13	Dimmer	0	
14	Dimmer Fine	0	Fine byte of Dimmer
15	Control1	0	0–19 Safe 20–29 Display Off (Hold 3) 30–49 Display On (Hold 3) 50–59 Home all (Hold 3) 60–69 Shutdown (Hold 9) 70–79 Red Shift Off (Hold 3) 80–89 Red Shift On (Hold 3) 90–99 LED PWM - 2:4KHz (Hold 3) 100–255 LED PWM - 16KHz (Hold 3)

Reduced

24 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	Color Model Mode	0	0–15 RGB 16–30 RBG 31–45 BRG 46–60 BGR 61–75 GBR 76–90 GRB 91–105 CMY 106–120 CYM 121–135 YCM 136–150 YMC 151–165 MCY 166–180 MYC 181–195 Cycle 196–255 Random
6	Red	255	
7	Green	255	
8	Blue	255	

Reduced (continued)

Ch	Function	Default	DMX values
9	White	255	
10	C TO	255	
11	Zoom	0	
12	Zoom Fine	0	Fine byte of Zoom
13	Strobe Mode Strobe	0	0–31 Normal 32–63 Random 64–255 Synchronous Random
14	Shutter1Strobe	255	0–23 Close 24–229 Strobe Rate 230–255 Open
15	Dimmer	0	
16	Dimmer Fine	0	Fine byte of Dimmer
17	Background Color	0	
18	Inclusive Macros	0	
19	Inclusive Macro Speed	127	0–62 Reverse (Fast) 63–63 Reverse (Normal) 64–126 Reverse (Slow) 127–128 Stop 129–191 Forward (Slow) 192–192 Forward (Normal) 193–255 Forward (Fast)
20	Inclusive Macro XFade	0	0–0 Stop 1–255 Zero to Longest
21	Macro NShot	255	0–0 Off 1–9 1 Shot 10–19 2 Shot 20–29 3 Shot 30–39 4 Shot 40–49 5 Shot 50–254 (Reserved) 255–255 Continuous Run
22	Position MSpeed	0	0–3 Off 4–254 Slow 255–255 Fast
23	Fan	0	0–9 Idle 10–214 Slow 215–215 Fast 216–225 Auto 226–255 Studio
24	Control1	0	0–19 Safe 20–29 Display Off (Hold 3) 30–49 Display On (Hold 3) 50–59 Home all (Hold 3) 60–69 Shutdown (Hold 9) 70–79 Red Shift Off (Hold 3) 80–89 Red Shift On (Hold 3) 90–99 LED PWM - 2:4KHz (Hold 3) 100–255 LED PWM - 16KHz (Hold 3)

Standard

51 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	

Standard (continued)

Ch	Function	Default	DMX values
4	Tilt Fine	0	Fine byte of Tilt
5	Color Model Mode	0	0–15 RGB 16–30 RBG 31–45 BRG 46–60 BGR 61–75 GBR 76–90 GRB 91–105 CMY 106–120 CYM 121–135 YCM 136–150 YMC 151–165 MCY 166–180 MYC 181–195 Cycle 196–255 Random
6	Zoom	0	
7	Zoom Fine	0	Fine byte of Zoom
8	Strobe Mode Strobe	0	0–31 Normal 32–63 Random 64–255 Synchronous Random
9	Shutter1Strobe	255	0–23 Close 24–229 Strobe Rate 230–255 Open
10	Dimmer	0	
11	Dimmer Fine	0	Fine byte of Dimmer
12	Background Color	0	
13	Inclusive Macros	0	
14	Inclusive Macro Speed	127	0–62 Reverse (Fast) 63–63 Reverse (Normal) 64–126 Reverse (Slow) 127–128 Stop 129–191 Forward (Slow) 192–192 Forward (Normal) 193–255 Forward (Fast)
15	Inclusive Macro XFade	0	0–0 Stop 1–255 Zero to Longest
16	Macro NShot	255	0–0 Off 1–9 1 Shot 10–19 2 Shot 20–29 3 Shot 30–39 4 Shot 40–49 5 Shot 50–254 (Reserved) 255–255 Continuous Run
17	Position MSpeed	0	0–3 Off 4–254 Slow 255–255 Fast
18	Fan	0	0–9 Idle 10–214 Slow 215–215 Fast 216–225 Auto 226–255 Studio

Standard (continued)

Ch	Function	Default	DMX values
19	Control1	0	0–19 Safe 20–29 Display Off (Hold 3) 30–49 Display On (Hold 3) 50–59 Home all (Hold 3) 60–69 Shutdown (Hold 9) 70–79 Red Shift Off (Hold 3) 80–89 Red Shift On (Hold 3) 90–99 LED PWM - 2:4KHz (Hold 3) 100–255 LED PWM - 16KHz (Hold 3)
20	Red	255	
21	Green	255	
22	Blue	255	
23	White	255	
24	C TO	255	
25	Function	0	
26	Dimmer	255	
27	Dimmer Fine	255	Fine byte of Dimmer
28	Red	255	
29	Green	255	
30	Blue	255	
31	White	255	
32	C TO	255	
33	Function	0	
34	Dimmer	255	
35	Dimmer Fine	255	Fine byte of Dimmer
36	Red	255	
37	Green	255	
38	Blue	255	
39	White	255	
40	C TO	255	
41	Function	0	
42	Dimmer	255	
43	Dimmer Fine	255	Fine byte of Dimmer
44	Red	255	
45	Green	255	
46	Blue	255	
47	White	255	
48	C TO	255	
49	Function	0	
50	Dimmer	255	
51	Dimmer Fine	255	Fine byte of Dimmer