Cems

ak-650



Manufacturer	**Cems**
Type	**Moving head**
DMX modes	**1**
DMX footprint	**22 channels**
Beam angle	**3-10°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**BC1EB015-A6FB-4106-ADB6-3C…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe · Built-in effect programmes

DMX modes

22 Channel Mode — 22 ch

22 Channel Mode

22 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Tilt	127	
3	Pan Tilt Speed	0	
4	Dimmer	0	
5	Shutter / Strobe	254	0–3 Closed 4–250 Strobe Rate 251–255 Open
6	Color Wheel	0	0–4 Open (wheel slot 1) 5–9 Open/Red (wheel slot 1) 10–14 Red (wheel slot 2) 15–19 Red/Green (wheel slot 2) 20–24 Green (wheel slot 3) 25–29 Green/Blue (wheel slot 3) 30–34 Blue (wheel slot 4) 35–39 Blue/Yellow (wheel slot 4) 40–44 Yellow (wheel slot 5) 45–49 Yellow/Mag (wheel slot 5) 50–54 Magenta (wheel slot 6) 55–59 Mag/Orange (wheel slot 6) 60–64 Orange (wheel slot 7) 65–69 Orange/L Green (wheel slot 7) 70–74 L Green (wheel slot 8) 75–79 L Green/L Blue (wheel slot 8) 80–84 L Blue (wheel slot 9) 85–89 L Blue/Amber (wheel slot 9) 90–94 Amber (wheel slot 10) 95–99 Amber/CTO (wheel slot 10) 100–104 CTO (wheel slot 11) 105–109 CTO/Cyan (wheel slot 11) 110–114 Cyan (wheel slot 12) 115–119 Cyan/R33 (wheel slot 12) 120–124 R33 (wheel slot 13) 125–129 R33/CTB (wheel slot 13) 130–134 CTB (wheel slot 14) 135–139 CTB/Open (wheel slot 14) 140–200 Scroll >>> 201–255 Scroll <<<

22 Channel Mode (continued)

Ch	Function	Default	DMX values
7	Gobo	0	1–4 Open (wheel slot 1) 5–9 Gobo 1 (wheel slot 2) 10–14 Gobo 2 (wheel slot 3) 15–19 Gobo 3 (wheel slot 4) 20–24 Gobo 4 (wheel slot 5) 25–29 Gobo 5 (wheel slot 6) 30–34 Gobo 6 (wheel slot 7) 35–39 Gobo 7 (wheel slot 8) 40–44 Gobo 8 (wheel slot 9) 45–49 Gobo 9 (wheel slot 10) 50–54 Gobo 10 (wheel slot 11) 55–59 ScanToZero1 60–64 ScanToZero2 65–69 ScanToZero3 70–74 ScanToZero4 75–79 ScanToZero5 80–84 ScanToZero6 85–89 ScanToZero7 90–94 ScanToZero8 95–99 ScanToZero9 100–108 ScanToZero10 109–149 ScanToZero11 150–199 Scroll <<< 200–255 Scroll >>>
8	Frost1	0	0–127 Open 128–255 Frost
9	Color Wheel 2	0	0–127 Open (wheel slot 1) 128–255 CMY (wheel slot 2)
10	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism1 (wheel slot 2)
11	Prism Rotation	0	0–0 Stop 1–127 Index 128–255 Empty Channel Set
12	Prism	0	0–127 Open (wheel slot 1) 128–255 Prism2 (wheel slot 2)
13	Prism Rotation	0	0–0 Stop 1–127 Index 128–255 Empty Channel Set
14	Focus	0	
15	Effect	0	0–127 Open 128–255 PrismEffect1
16	Effect 2	0	0–127 Open 128–255 PrismEffect2
17	Effect 3	0	0–127 Open 128–255 PrismEffect3
18	Zoom	0	0–4 min 5–127 home 128–255 max
19	Lamp Control	0	0–99 Unused1 100–110 Lamp Off 111–199 Unused2 200–210 Lamp On 211–255 Unused4
20	Fixture Global Reset	0	0–249 Unused 250–255 Reset
21	Pan Fine	255	Fine byte of Pan
22	Tilt Fine	255	Fine byte of Tilt