Cameo

MOVO BEAM 200



Manufacturer	**Cameo**
Type	**Profile spot**
DMX modes	**7**
DMX footprint	**4, 15, 16, 20, 35, 42, 89 channels**
Beam angle	**2-120°**
Pan range	**540°**
Tilt range	**220°**
Heads / cells	**25**
Size (W × H × D)	**200 × 170 × 200 mm**
GDTF fixture type	**685B7456-B7F4-44A6-BEAC-16…**

Controls

Extra LED colours · RGB colour mixing · Colour wheel · Effect speed · Strobe · Dimmer · Pixel control · Pan and tilt

Safety-relevant functions

Fixture reset · Service functions · Built-in effect programmes

DMX modes

4CH Mode	4 ch
15CH Mode	15 ch
16CH Mode	16 ch
20CH Mode	20 ch
35CH Mode	35 ch
42CH Mode	42 ch
89CH Mode	89 ch

4CH Mode

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
3	Position Effect	0	0–5 no function 6–36 Auto Program 01 37–67 Auto Program 02 68–98 Auto Program 03 99–129 Auto Program 04 130–160 Auto Program 05 161–191 Auto Program 06 192–254 Auto Program 07 255–255 Auto Program 08
4	Position Effect Rate	0	0–254 Fast 255–255 Slow

15CH Mode

15 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation slow 127–128 Stop 129–254 Backward Rotation slow 255–255 Backward Rotation fast
4	Tilt	128	
5	Tilt Fine	0	Fine byte of Tilt
6	Tilt Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation Slow 127–128 Stop 129–254 Backward Rotation Slow 255–255 Backward Rotation fast
7	Dimmer	0	0–254 Closed 255–255 Open

15CH Mode (continued)

Ch	Function	Default	DMX values
8	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	
13	Control1	0	0–5 no function 6–32 Blackout while moving on (hold 3s) 33–59 Blackout while moving off (hold 3s) 60–86 Invert Pan on (hold 3s) 87–113 Invert Pan off (hold 3s) 114–140 Invert Tilt on (hold 3s) 141–167 Invert Tilt off (hold 3s) 168–194 Silent Fan (Hold 3s) 195–221 Auto Fan (Hold 3s) 255–255 Reset
14	Color Macro1	0	0–5 no function 6–13 Color Macro 1 14–21 Color Macro 2 22–29 Color Macro 3 30–37 Color Macro 4 38–45 Color Macro 5 46–53 Color Macro 6 54–61 Color Macro 7 62–69 Color Macro 8 70–77 Color Macro 9 78–85 Color Macro 10 86–93 Color Macro 11 94–101 Color Macro 12 102–109 Color Macro 13 110–117 Color Macro 14 118–125 Color Macro 15 126–255 Color Macro 16
15	Color Macro1Rate	255	0–254 slow 255–255 fast

16CH Mode

16 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation slow 127–128 Stop 129–254 Backward Rotation slow 255–255 Backward Rotation fast
3	Tilt	128	
4	Tilt Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation Slow 127–128 Stop 129–254 Backward Rotation Slow 255–255 Backward Rotation fast
5	Dimmer	0	0–254 Closed 255–255 Open
6	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
7	Red	255	
8	Green	255	
9	Blue	255	
10	White	255	

16CH Mode (continued)

Ch	Function	Default	DMX values
11	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 no function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–96 Invert Tilt off (hold 3s) 97–97 no function 99–99 Auto Fan (Hold 3s) 100–138 Silent Fan (Hold 3s) 139–139 no function 140–141 Display on (Hold 3s) 142–162 Display off (Hold 3s) 163–163 no function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–220 Dimmer Curve S-Curve (Hold 3s) 221–221 no function 222–235 Reset Pan / Tilt (Hold 3s) 236–237 Reset All Functions (Hold 3s) 238–254 Reset (except User Colour/Loops) (Hold 3s) 255–255 no function
12	Dimmer	255	
13	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
14	Red	255	
15	Green	255	
16	Blue	255	

20CH Mode

20 channels

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

20CH Mode (continued)

Ch	Function	Default	DMX values
3	Pan Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation slow 127–128 Stop 129–254 Backward Rotation slow 255–255 Backward Rotation fast
4	Tilt	128	
5	Tilt Fine	0	Fine byte of Tilt
6	Tilt Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation Slow 127–128 Stop 129–254 Backward Rotation Slow 255–255 Backward Rotation fast
7	Dimmer	0	0–254 Closed 255–255 Open
8	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
9	Red	255	
10	Green	255	
11	Blue	255	
12	White	255	
13	Control1	0	0–5 no function 6–32 Blackout while moving on (hold 3s) 33–59 Blackout while moving off (hold 3s) 60–86 Invert Pan on (hold 3s) 87–113 Invert Pan off (hold 3s) 114–140 Invert Tilt on (hold 3s) 141–167 Invert Tilt off (hold 3s) 168–194 Silent Fan (Hold 3s) 195–221 Auto Fan (Hold 3s) 255–255 Reset
14	Dimmer	255	

20CH Mode (continued)

Ch	Function	Default	DMX values
15	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
16	Red	255	
17	Green	255	
18	Blue	255	
19	Color Macro1	0	0–5 no function 6–13 Color Macro 1 14–21 Color Macro 2 22–29 Color Macro 3 30–37 Color Macro 4 38–45 Color Macro 5 46–53 Color Macro 6 54–61 Color Macro 7 62–69 Color Macro 8 70–77 Color Macro 9 78–85 Color Macro 10 86–93 Color Macro 11 94–101 Color Macro 12 102–109 Color Macro 13 110–117 Color Macro 14 118–125 Color Macro 15 126–255 Color Macro 16
20	Color Macro1Rate	255	0–254 slow 255–255 fast

35CH Mode

35 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation slow 127–128 Stop 129–254 Backward Rotation slow 255–255 Backward Rotation fast
4	Tilt	128	
5	Tilt Fine	0	Fine byte of Tilt

35CH Mode (continued)

Ch	Function	Default	DMX values
6	Tilt Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation Slow 127–128 Stop 129–254 Backward Rotation Slow 255–255 Backward Rotation fast
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer
9	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
10	Red	255	
11	Green	255	
12	Blue	255	
13	White	255	
14	Color Wheel	0	0–5 Color open (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Stop 128–190 slow jumping 191–191 fast jumping 192–254 slow fading 255–255 fast fading

35CH Mode (continued)

Ch	Function	Default	DMX values
15	Control1	0	0–5 no function 6–36 Auto Program 01 37–67 Auto Program 02 68–98 Auto Program 03 99–129 Auto Program 04 130–160 Auto Program 05 161–191 Auto Program 06 192–254 Auto Program 07 255–255 Auto Program 08
16	Position Effect	0	0–5 no function 6–40 PAN "small > big" 41–75 TILT "small > big" 76–110 PAN / TILT "small > big" 111–145 PAN / TILT (invers) "small > big" 146–180 Circle "small > big" 181–215 Circle (invers) "small > big" 216–255 Random "small > big"
17	Dimmer Curve	0	0–5 no function 6–63 Linear 64–127 Exponential 128–191 Logarithmic 192–255 S-Curve
18	Position Effect Rate	0	0–254 Fast 255–255 Slow
19	Control1	0	0–5 no function 6–32 Blackout while moving on (hold 3s) 33–59 Blackout while moving off (hold 3s) 60–86 Invert Pan on (hold 3s) 87–113 Invert Pan off (hold 3s) 114–140 Invert Tilt on (hold 3s) 141–167 Invert Tilt off (hold 3s) 168–194 Silent Fan (Hold 3s) 195–221 Auto Fan (Hold 3s) 255–255 Reset
20	Dimmer	255	
21	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
22	Red	255	
23	Green	255	

35CH Mode (continued)

Ch	Function	Default	DMX values
24	Blue	255	
25	Red	255	
26	Green	255	
27	Blue	255	
28	Red	255	
29	Green	255	
30	Blue	255	
31	Red	255	
32	Green	255	
33	Blue	255	
34	Color Macro1	0	0–5 no function 6–13 Color Macro 1 14–21 Color Macro 2 22–29 Color Macro 3 30–37 Color Macro 4 38–45 Color Macro 5 46–53 Color Macro 6 54–61 Color Macro 7 62–69 Color Macro 8 70–77 Color Macro 9 78–85 Color Macro 10 86–93 Color Macro 11 94–101 Color Macro 12 102–109 Color Macro 13 110–117 Color Macro 14 118–125 Color Macro 15 126–255 Color Macro 16
35	Color Macro1Rate	255	0–254 slow 255–255 fast

42CH Mode

42 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation slow 127–128 Stop 129–254 Backward Rotation slow 255–255 Backward Rotation fast
4	Tilt	128	
5	Tilt Fine	0	Fine byte of Tilt
6	Tilt Rotate	0	0–5 No function 6–125 Forward Rotation fast 126–126 Forward Rotation Slow 127–128 Stop 129–254 Backward Rotation Slow 255–255 Backward Rotation fast
7	Dimmer	0	0–254 Closed 255–255 Open
8	Dimmer Fine	0	Fine byte of Dimmer

42CH Mode (continued)

Ch	Function	Default	DMX values
9	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
10	Red	255	
11	Green	255	
12	Blue	255	
13	White	255	
14	Color Wheel	0	0–5 Color open (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Stop 128–190 slow jumping 191–191 fast jumping 192–254 slow fading 255–255 fast fading
15	Position Effect	0	0–5 no function 6–36 Auto Program 01 37–67 Auto Program 02 68–98 Auto Program 03 99–129 Auto Program 04 130–160 Auto Program 05 161–191 Auto Program 06 192–254 Auto Program 07 255–255 Auto Program 08

42CH Mode (continued)

Ch	Function	Default	DMX values
16	Position Effect	0	0–5 no function 6–40 PAN "small > big" 41–75 TILT "small > big" 76–110 PAN / TILT "small > big" 111–145 PAN / TILT (invers) "small > big" 146–180 Circle "small > big" 181–215 Circle (invers) "small > big" 216–255 Random "small > big"
17	Position Effect Rate	0	0–254 Fast 255–255 Slow
18	Control1	0	0–5 Control off 6–7 Blackout while moving on (hold 3s) 8–40 Blackout while moving off (hold 3s) 41–41 no function 42–43 Invert Pan on (hold 3s) 44–45 Invert Pan off (hold 3s) 46–47 Invert Tilt on (hold 3s) 48–96 Invert Tilt off (hold 3s) 97–97 no function 99–99 Auto Fan (Hold 3s) 100–138 Silent Fan (Hold 3s) 139–139 no function 140–141 Display on (Hold 3s) 142–162 Display off (Hold 3s) 163–163 no function 164–165 Dimmer Curve Linear (Hold 3s) 166–167 Dimmer Curve Exponential (Hold 3s) 168–169 Dimmer Curve Logarithmic (Hold 3s) 170–220 Dimmer Curve S-Curve (Hold 3s) 221–221 no function 222–235 Reset Pan / Tilt (Hold 3s) 236–237 Reset All Functions (Hold 3s) 238–254 Reset (except User Colour/Loops) (Hold 3s) 255–255 no function
19	Dimmer	0	
20	Red	255	
21	Green	255	
22	Blue	255	
23	Red	0	
24	Green	0	
25	Blue	0	

42CH Mode (continued)

Ch	Function	Default	DMX values
26	Effect	1	0–0 off 1–13 One colour Paparazzi-Snap 14–26 One colour Paparazzi-Fade 27–39 Two colour Paparazzi-Snap 40–52 Two colour Paparazzi-Fade 53–62 Trace 1-Uniform Decay 63–72 Trace 2-Uniform Decay (colour mix) 73–82 Trace 3-Uniform Colour 83–92 Trace 4-Uniform Colour (colour mix with base) 93–93 Example Effect 94–101 Smallest 102–102 Biggest 103–103 Exam pie effects 104–104 l/2's 105–105 1/4's 106–106 1/8's 107–107 1/16's 108–108 1/32's 109–109 1/64's 110–110 Rotating 1/4's 111–111 Rotating 1/16's 112–112 Rotating 1/32's 113–117 Colour Merge 118–122 Colour Wave 123–127 Colour Wave (colour Mix) 128–132 Sweep 133–136 Sweep Random 137–240 off 241–245 Mix with other Layer 246–250 Underneath other Layer 251–255 Above other Layer
27	Effect Speed	0	0–127 Forward Rotation fast to slow 128–128 Pause 129–255 Backward Rotation slow to fast
28	No Feature	0	0–63 x2 64–127 x4 128–191 x8 192–255 Full
29	Effects1Pos Rotate	0	0–63 Forward 64–127 Reverse 128–191 Mirror Out 192–255 Mirror In
30	Effects1Pos	0	
31	Dimmer	0	
32	Red	255	
33	Green	255	
34	Blue	255	
35	Red	0	
36	Green	0	
37	Blue	0	

42CH Mode (continued)

Ch	Function	Default	DMX values
38	Effect	0	0–0 off 1–13 One colour Paparazzi-Snap 14–26 One colour Paparazzi-Fade 27–39 Two colour Paparazzi-Snap 40–52 Two colour Paparazzi-Fade 53–62 Trace 1-Uniform Decay 63–72 Trace 2-Uniform Decay (colour mix) 73–82 Trace 3-Uniform Colour 83–92 Trace 4-Uniform Colour (colour mix with base) 93–93 Example Effect 94–101 Smallest 102–102 Biggest 103–103 Exam pie effects 104–104 l/2's 105–105 1/4's 106–106 1/8's 107–107 1/16's 108–108 1/32's 109–109 1/64's 110–110 Rotating 1/4's 111–111 Rotating 1/16's 112–112 Rotating 1/32's 113–117 Colour Merge 118–122 Colour Wave 123–127 Colour Wave (colour Mix) 128–132 Sweep 133–136 Sweep Random 137–240 off 241–245 Mix with other Layer 246–250 Underneath other Layer 251–255 Above other Layer
39	Effect Speed	0	0–127 Forward Rotation fast to slow 128–128 Pause 129–255 Backward Rotation slow to fast
40	No Feature	0	0–63 x2 64–127 x4 128–191 x8 192–255 Full
41	Effects1Pos Rotate	0	0–63 Forward 64–127 Reverse 128–191 Mirror Out 192–255 Mirror In
42	Effects1Pos	0	

89CH Mode

89 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Pan Rotate	0	
4	Tilt	128	
5	Tilt Fine	0	Fine byte of Tilt
6	Tilt Rotate	0	
7	Dimmer	0	
8	Dimmer Fine	0	Fine byte of Dimmer

89CH Mode (continued)

Ch	Function	Default	DMX values
9	Shutter / Strobe	0	0–5 Open 6–10 Closed 11–21 Ramp up down strobe · Slow 0.05–0.459 Hz 22–22 Ramp up down strobe · Fast 0.5 Hz 23–32 Ramp up/down random · Slow 0.05–0.455 Hz 33–33 Ramp up/down random · Fast 0.5 Hz 34–44 Ramp up strobe · Slow 0.05–0.459 Hz 45–45 Ramp up strobe · Fast 0.5 Hz 46–55 Ramp up random · Slow 0.05–0.455 Hz 56–56 Ramp up random · Fast 0.5 Hz 57–67 Ramp down strobe · Slow 0.05–0.459 Hz 68–68 Ramp down strobe · Fast 0.5 Hz 69–78 Ramp down random · Slow 0.05–0.455 Hz 79–79 Ramp down random · Fast 0.5 Hz 80–101 Random strobe effect · Slow 0.05–0.48 Hz 102–102 Random strobe effect · Fast 0.5 Hz 103–126 Strobe break effect · 5s short burst with break 0.0... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 Open
10	Red	255	
11	Green	255	
12	Blue	255	
13	White	255	
14	Color Wheel	0	0–5 Color open (wheel slot 1) 6–13 Red (wheel slot 2) 14–21 Amber (wheel slot 3) 22–29 Yellow Warm (wheel slot 4) 30–37 Yellow (wheel slot 5) 38–45 Green (wheel slot 6) 46–53 Turquoise (wheel slot 7) 54–61 Cyan (wheel slot 8) 62–69 Blue (wheel slot 9) 70–77 Lavender (wheel slot 10) 78–85 Mauve (wheel slot 11) 86–93 Magenta (wheel slot 12) 94–101 Pink (wheel slot 13) 102–109 Warm white (wheel slot 14) 110–117 White (wheel slot 15) 118–125 Cold white (wheel slot 16) 126–127 Stop 128–190 slow jumping 191–191 fast jumping 192–254 slow fading 255–255 fast fading
15	Position Effect Rate	0	
16	Control1	255	
17	Dimmer	255	
18	Red	255	
19	Green	255	
20	Blue	255	
21	Red	255	
22	Green	255	
23	Blue	255	
24	Red	255	

89CH Mode (continued)

Ch	Function	Default	DMX values
25	Green	255	
26	Blue	255	
27	Red	255	
28	Green	255	
29	Blue	255	
30	Red	255	
31	Green	255	
32	Blue	255	
33	Red	255	
34	Green	255	
35	Blue	255	
36	Red	255	
37	Green	255	
38	Blue	255	
39	Red	255	
40	Green	255	
41	Blue	255	
42	Red	255	
43	Green	255	
44	Blue	255	
45	Red	255	
46	Green	255	
47	Blue	255	
48	Red	255	
49	Green	255	
50	Blue	255	
51	Red	255	
52	Green	255	
53	Blue	255	
54	Red	255	
55	Green	255	
56	Blue	255	
57	Red	255	
58	Green	255	
59	Blue	255	
60	Red	255	
61	Green	255	
62	Blue	255	
63	Red	255	
64	Green	255	
65	Blue	255	
66	Red	255	
67	Green	255	
68	Blue	255	
69	Red	255	

89CH Mode (continued)

Ch	Function	Default	DMX values
70	Green	255	
71	Blue	255	
72	Red	255	
73	Green	255	
74	Blue	255	
75	Red	255	
76	Green	255	
77	Blue	255	
78	Red	255	
79	Green	255	
80	Blue	255	
81	Red	255	
82	Green	255	
83	Blue	255	
84	Red	255	
85	Green	255	
86	Blue	255	
87	Red	255	
88	Green	255	
89	Blue	255	