Flash

Hybrid 10R



Manufacturer	**Flash**
Type	**Moving head**
DMX modes	**2**
DMX footprint	**16, 24 channels**
Beam angle	**25°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**240 × 450 × 220 mm**
GDTF fixture type	**57D8AD40-910E-41BB-9E6E-7C…**

Controls

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

Safety-relevant functions

Lamp on and off · Fixture reset · Strobe

DMX modes

16ch	16 ch
24ch	24 ch

16ch

16 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Tilt	128	
3	Position MSpeed	0	
4	Control1	0	0–89 No function 90–99 B/O color wheel 100–109 B/O gobo wheel 110–119 B/O prism 120–129 B/O effects 130–139 Lamp on 140–149 Reset P/T 150–189 Reset effects 190–209 Reset total 210–229 No function 230–239 Lamp off 240–255 No function
5	Color Wheel	0	0–127 Color1 1 128–129 Open (wheel slot 1) 130–134 Wheel Slot 1 (wheel slot 2) 135–138 Wheel Slot 2 (wheel slot 3) 139–143 Wheel Slot 3 (wheel slot 4) 144–147 Wheel Slot 4 (wheel slot 5) 148–152 Wheel Slot 5 (wheel slot 6) 153–157 Wheel Slot 6 (wheel slot 7) 158–161 Wheel Slot 7 (wheel slot 8) 162–166 Wheel Slot 8 (wheel slot 9) 167–171 Wheel Slot 9 (wheel slot 10) 172–176 Wheel Slot 10 (wheel slot 11) 177–180 Wheel Slot 11 (wheel slot 12) 181–185 Wheel Slot 12 (wheel slot 13) 186–189 Wheel Slot 13 (wheel slot 14) 190–215 <<< 216–217 >< 218–243 >>> 244–255 Auto
6	Color Mix MSpeed	0	
7	Gobo	0	0–3 Open (wheel slot 1) 4–9 Wheel Slot 1 (wheel slot 2) 10–15 Wheel Slot 2 (wheel slot 3) 16–21 Wheel Slot 3 (wheel slot 4) 22–27 Wheel Slot 4 (wheel slot 5) 28–33 Wheel Slot 5 (wheel slot 6) 34–39 Wheel Slot 6 (wheel slot 7) 40–45 Wheel Slot 7 (wheel slot 8) 46–51 Wheel Slot 8 (wheel slot 9) 52–57 Wheel Slot 9 (wheel slot 10) 58–63 Wheel Slot 10 (wheel slot 11) 64–69 Wheel Slot 11 (wheel slot 12) 70–75 Wheel Slot 12 (wheel slot 13) 76–81 Wheel Slot 13 (wheel slot 14) 82–87 Wheel Slot 14 (wheel slot 15) 88–201 Gobo1WheelShake 2 202–221 <<< 222–223 >< 224–243 >>> 244–255 Auto

16ch (continued)

Ch	Function	Default	DMX values
8	Gobo 2	0	0–4 Open (wheel slot 1) 5–7 Wheel Slot 1 (wheel slot 2) 8–10 Wheel Slot 2 (wheel slot 3) 11–13 Wheel Slot 3 (wheel slot 4) 14–16 Wheel Slot 4 (wheel slot 5) 17–19 Wheel Slot 5 (wheel slot 6) 20–22 Wheel Slot 6 (wheel slot 7) 23–25 Wheel Slot 7 (wheel slot 8) 26–28 Wheel Slot 8 (wheel slot 9) 29–31 Wheel Slot 9 (wheel slot 10) 32–59 Gobo2PosRotate 2 60–129 Gobo2WheelShake 3 130–201 Gobo2PosShake 4 202–221 <<< 222–223 >< 224–243 >>> 244–255 Gobo2WheelRandom 6
9	Gobo Rotation 2	0	
10	Prism	0	0–19 Open (wheel slot 1) 20–49 Prism 1 index (wheel slot 2) 50–75 Prism 1 rotation (wheel slot 2) 76–105 Prism 2 index (wheel slot 3) 106–127 Prism 2 rotation (wheel slot 3) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16
11	Prism Rotation	0	0–0 >< 1–127 << 128–129 >< 130–255 >>>
12	Frost1	0	0–127 Open 128–255 Frost
13	Zoom	0	
14	Focus	0	
15	Shutter / Strobe	96	0–63 Shutter1 1 64–95 Shutter1Strobe 2 96–127 Shutter1 3 128–159 Shutter1StrobePulseOpen 4 160–191 Shutter1StrobePulseClose 5 192–223 Shutter1 6 224–255 Shutter1StrobeRandom 7
16	Dimmer	0	0–254 Closed 255–255 Open

24ch

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	Position MSpeed	0	
6	Control1	0	0–89 No function 90–99 B/O color wheel 100–109 B/O gobo wheel 110–119 B/O prism 120–129 B/O effects 130–139 Lamp on 140–149 Reset P/T 150–189 Reset effects 190–209 Reset total 210–229 No function 230–239 Lamp off 240–255 No function
7	Color Wheel	0	0–127 Color1 1 128–129 Open (wheel slot 1) 130–134 Wheel Slot 1 (wheel slot 2) 135–138 Wheel Slot 2 (wheel slot 3) 139–143 Wheel Slot 3 (wheel slot 4) 144–147 Wheel Slot 4 (wheel slot 5) 148–152 Wheel Slot 5 (wheel slot 6) 153–157 Wheel Slot 6 (wheel slot 7) 158–161 Wheel Slot 7 (wheel slot 8) 162–166 Wheel Slot 8 (wheel slot 9) 167–171 Wheel Slot 9 (wheel slot 10) 172–176 Wheel Slot 10 (wheel slot 11) 177–180 Wheel Slot 11 (wheel slot 12) 181–185 Wheel Slot 12 (wheel slot 13) 186–189 Wheel Slot 13 (wheel slot 14) 190–215 <<< 216–217 >< 218–243 >>> 244–255 Auto
8	Color Wheel Fine	0	Fine byte of Color Wheel
9	Color Mix MSpeed	0	
10	Gobo	0	0–3 Open (wheel slot 1) 4–9 Wheel Slot 1 (wheel slot 2) 10–15 Wheel Slot 2 (wheel slot 3) 16–21 Wheel Slot 3 (wheel slot 4) 22–27 Wheel Slot 4 (wheel slot 5) 28–33 Wheel Slot 5 (wheel slot 6) 34–39 Wheel Slot 6 (wheel slot 7) 40–45 Wheel Slot 7 (wheel slot 8) 46–51 Wheel Slot 8 (wheel slot 9) 52–57 Wheel Slot 9 (wheel slot 10) 58–63 Wheel Slot 10 (wheel slot 11) 64–69 Wheel Slot 11 (wheel slot 12) 70–75 Wheel Slot 12 (wheel slot 13) 76–81 Wheel Slot 13 (wheel slot 14) 82–87 Wheel Slot 14 (wheel slot 15) 88–201 Gobo1WheelShake 2 202–221 <<< 222–223 >< 224–243 >>> 244–255 Auto

24ch (continued)

Ch	Function	Default	DMX values
11	Gobo 2	0	0–4 Open (wheel slot 1) 5–7 Wheel Slot 1 (wheel slot 2) 8–10 Wheel Slot 2 (wheel slot 3) 11–13 Wheel Slot 3 (wheel slot 4) 14–16 Wheel Slot 4 (wheel slot 5) 17–19 Wheel Slot 5 (wheel slot 6) 20–22 Wheel Slot 6 (wheel slot 7) 23–25 Wheel Slot 7 (wheel slot 8) 26–28 Wheel Slot 8 (wheel slot 9) 29–31 Wheel Slot 9 (wheel slot 10) 32–59 Gobo2PosRotate 2 60–129 Gobo2WheelShake 3 130–201 Gobo2PosShake 4 202–221 << 222–223 > 224–243 >>> 244–255 Gobo2WheelRandom 6
12	Gobo Rotation 2	0	
13	Dummy	0	
14	Prism	0	0–19 Open (wheel slot 1) 20–49 Prism 1 index (wheel slot 2) 50–75 Prism 1 rotation (wheel slot 2) 76–105 Prism 2 index (wheel slot 3) 106–127 Prism 2 rotation (wheel slot 3) 128–135 Macro 1 136–143 Macro 2 144–151 Macro 3 152–159 Macro 4 160–167 Macro 5 168–175 Macro 6 176–183 Macro 7 184–191 Macro 8 192–199 Macro 9 200–207 Macro 10 208–215 Macro 11 216–223 Macro 12 224–231 Macro 13 232–239 Macro 14 240–247 Macro 15 248–255 Macro 16
15	Prism Rotation	0	0–0 > 1–127 << 128–129 > 130–255 >>>
16	Frost1	0	0–127 Open 128–255 Frost
17	Zoom	0	
18	Zoom Fine	0	Fine byte of Zoom
19	Focus	0	
20	Focus Fine	0	Fine byte of Focus
21	Dummy	0	
22	Shutter / Strobe	96	0–63 Shutter1 1 64–95 Shutter1Strobe 2 96–127 Shutter1 3 128–159 Shutter1StrobePulseOpen 4 160–191 Shutter1StrobePulseClose 5 192–223 Shutter1 6 224–255 Shutter1StrobeRandom 7

24ch (continued)

Ch	Function	Default	DMX values
23	Dimmer	0	0–254 Closed 255–255 Open
24	Dummy	0	